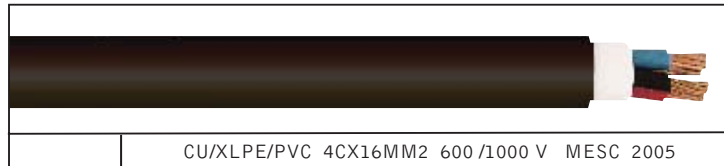


0.6 /1 KV XLPE INSULATED CABLES

IEC - 60502- 1

BS - 5467

Specification : IEC 60502 -1, BS-5467



Application : Can be used indoors or outdoors in cable ducts, cable trays, conduits or underground in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Construction

- **Conductor** : Annealed plain copper conductor solid as per class 1 and stranded as per class 2 of IEC-60228.
- **Insulation** : Solid extruded XLPE as per IEC-60502- 1.
- **Core colours** :
 - Single core : Black
 - 2 Core : Red & Black
 - 3 Core : Red, Yellow & Blue
 - 4 Core : Red, Yellow, Blue & Black
 - 5 Core & above : Black cores with Number printing.
- **Inner covering** : Extruded PVC compatible with the operating temperature of the conductor. This inner covering is applicable to cables having conductors of 16mm² and above.
- **Outer Sheath** : Extruded PVC Type ST-2 as per IEC-60502 -1, passes flame retardance test as per IEC-60332- 1. Also passes flame test as per IEC-60332 -3 Cat C.

Technical Data

- **Conductor resistance** : As per class 1 & 2 of IEC-60228.
- **Working voltage** : 600 / 1000 Volts.
- **Test Voltage** : 3.5 kV. RMS or 8.4 kV. DC for 5 minutes
- **Temperature** : -25°C to +90°C
- **Bending Radius** : Upto 25mm O.D.- 4X Cable Ø
Above 25 mm O.D.-6X Cable Ø
- **Maximum short circuit temperature** : 250°C (5 Seconds Max.)
- **For current ratings of these cables** : Refer to Technical Section of the catalogue.



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED CABLES

IEC-60502-1

BS-5467

SINGLE CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76001	7664-01C00150-U0BK8-00	1X1.5	1X1.38	0.7	1.4	5.8	47	1000
76002	7614-01C00150-U0BK8-00	1X1.5	7X0.53	0.7	1.4	6.0	50	1000
76003	7664-01C00250-U0BK8-00	1X2.5	1X1.78	0.7	1.4	6.2	60	1000
76004	7614-01C00250-U0BK8-00	1X2.5	7X0.67	0.7	1.4	6.4	62	1000
76005	7664-01C00400-U0BK8-00	1X4	1X2.25	0.7	1.4	6.7	77	1000
76006	7614-01C00400-U0BK8-00	1X4	7X0.85	0.7	1.4	7.0	81	1000
76007	7664-01C00600-U0BK8-00	1X6	1X2.76	0.7	1.4	7.2	99	1000
76008	7614-01C00600-U0BK8-00	1X6	7X1.04	0.7	1.4	7.5	104	1000
76009	7614-01C01000-U0BK8-00	1X10	7X1.35	0.7	1.4	8.5	149	1000
76010	7614-01C01600-U0BK8-00	1X16	7X1.7	0.7	1.4	9.5	212	1000
76011	7614-01C02500-U0BK8-00	1X25	7X2.14	0.9	1.4	11.3	316	1000
76012	7614-01C03500-U0BK8-00	1X35	7X2.52	0.9	1.4	12.4	416	1000
76013	7614-01C05000-U0BK8-00	1X50	19X1.78	1.0	1.4	13.9	544	1000
76014	7614-01C07000-U0BK8-00	1X70	19X2.14	1.1	1.4	16.0	758	1000
76015	7614-01C09500-U0BK8-00	1X95	19X2.52	1.1	1.5	18.1	1025	1000
76016	7614-01C12000-U0BK8-00	1X120	37X2.03	1.2	1.5	19.9	1271	500
76017	7614-01C15000-U0BK8-00	1X150	37X2.25	1.4	1.6	22.1	1560	500
76018	7614-01C18500-U0BK8-00	1X185	37X2.52	1.6	1.7	24.6	1948	500

2 CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76019	7664-02C00150-U0BK8-00	2X1.5	1X1.38	0.7	1.8	9.5	120	1000
76020	7614-02C00150-U0BK8-00	2X1.5	7X0.53	0.7	1.8	10.0	130	1000
76021	7664-02C00250-U0BK8-00	2X2.5	1X1.78	0.7	1.8	10.3	155	1000
76022	7614-02C00250-U0BK8-00	2X2.5	7X0.67	0.7	1.8	10.8	165	1000
76023	7664-02C00400-U0BK8-00	2X4	1X2.25	0.7	1.8	11.3	195	1000
76024	7614-02C00400-U0BK8-00	2X4	7X0.85	0.7	1.8	11.9	210	1000
76025	7664-02C00600-U0BK8-00	2X6	1X2.76	0.7	1.8	12.3	250	1000
76026	7614-02C00600-U0BK8-00	2X6	7X1.04	0.7	1.8	13.0	270	1000
76027	7614-02C01000-U0BK8-00	2X10	7X1.35	0.7	1.8	14.9	385	1000
76028	7614-02C01600-U0BK8-00	2X16	7X1.7	0.7	1.8	19.2	660	1000
76029	7614-02C02500-U0BK8-00	2X25	7X2.14	0.9	1.8	22.6	950	1000
76030	7614-02C03500-U0BK8-00	2X35	7X2.52	0.9	1.8	24.9	1225	1000
76031	7614-02C05000-U0BK8-00	2X50	19X1.78	1.0	1.8	28.0	1580	500
76032	7614-02C07000-U0BK8-00	2X70	19X2.14	1.1	1.8	32.0	2160	500



0.6/1 KV XLPE INSULATED CABLES IEC-60502-1 BS-5467

3 CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76033	7664-03C00150-U0BK8-00	3X1.5	1X1.38	0.7	1.8	10.0	140	1000
76034	7614-03C00150-U0BK8-00	3X1.5	7X0.53	0.7	1.8	10.5	150	1000
76035	7664-03C00250-U0BK8-00	3X2.5	1X1.78	0.7	1.8	10.9	180	1000
76036	7614-03C00250-U0BK8-00	3X2.5	7X0.67	0.7	1.8	11.4	190	1000
76037	7664-03C00400-U0BK8-00	3X4	1X2.25	0.7	1.8	11.9	240	1000
76038	7614-03C00400-U0BK8-00	3X4	7X0.85	0.7	1.8	12.5	250	1000
76039	7664-03C00600-U0BK8-00	3X6	1X2.76	0.7	1.8	13.0	310	1000
76040	7614-03C00600-U0BK8-00	3X6	7X1.04	0.7	1.8	13.8	330	1000
76041	7614-03C01000-U0BK8-00	3X10	7X1.35	0.7	1.8	15.8	480	1000
76042	7614-03C01600-U0BK8-00	3X16	7X1.7	0.7	1.8	20.2	805	1000
76043	7614-03C02500-U0BK8-00	3X25	7X2.14	0.9	1.8	24.0	1195	1000
76044	7614-03C03500-U0BK8-00	3X35	7X2.52	0.9	1.8	26.4	1540	500
76045	7614-03C05000-U0BK8-00	3X50	19X1.78	1.0	1.8	29.7	2000	500
76046	7614-03C07000-U0BK8-00	3X70	19X2.14	1.1	1.9	34.3	2775	500

4 CORE CABLES WITH REDUCED NEUTRAL (3&1/2 Cores)

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76047	7614-3/501000-U0BK8-00	3x10/6	7x1.35 7x1.04	0.7 0.7	1.8	18.5	650	1000
76048	7614-3/501600-U0BK8-00	3x16/10	7x1.7 7x1.35	0.7 0.7	1.8	21.0	920	1000
76049	7614-3/502500-U0BK8-00	3x25/16	7x2.14 7x1.7	0.9 0.7	1.8	24.8	1355	500
76050	7614-3/503500-U0BK8-00	3x35/16	7x2.52 7x1.7	0.9 0.7	1.8	26.8	1685	500
76051	7614-3/505000-U0BK8-00	3x50/25	19x1.78 7x2.14	1.0 0.9	1.8	30.6	2250	500
76052	7614-3/507000-U0BK8-00	3x70/35	19x2.14 7x2.52	1.1 0.9	1.9	35.6	3145	500

4 CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76053	7664-04C00150-U0BK8-00	4X1.5	1X1.38	0.7	1.8	10.7	165	1000
76054	7614-04C00150-U0BK8-00	4X1.5	7X0.53	0.7	1.8	11.2	175	1000
76055	7664-04C00250-U0BK8-00	4X2.5	1X1.78	0.7	1.8	11.7	220	1000
76056	7614-04C00250-U0BK8-00	4X2.5	7X0.67	0.7	1.8	12.2	225	1000
76057	7664-04C00400-U0BK8-00	4X4	1X2.25	0.7	1.8	12.8	290	1000
76058	7614-04C00400-U0BK8-00	4X4	7X0.85	0.7	1.8	13.5	305	1000
76059	7664-04C00600-U0BK8-00	4X6	1X2.76	0.7	1.8	14.1	385	1000
76060	7614-04C00600-U0BK8-00	4X6	7X1.04	0.7	1.8	14.9	405	1000
76061	7614-04C01000-U0BK8-00	4X10	7X1.35	0.7	1.8	17.2	600	1000
76062	7614-04C01600-U0BK8-00	4X16	7X1.7	0.7	1.8	21.9	990	1000
76063	7614-04C02500-U0BK8-00	4X25	7X2.14	0.9	1.8	26.0	1465	500
76064	7614-04C03500-U0BK8-00	4X35	7X2.52	0.9	1.8	28.8	1915	500
76065	7614-04C05000-U0BK8-00	4X50	19X1.78	1.0	1.9	32.7	2510	500
76066	7614-04C07000-U0BK8-00	4X70	19X2.14	1.1	2.0	37.7	3490	500



MES C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED CABLES IEC-60502-1 BS-5467

MULTI CORE CABLES

Order No.	MES C CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76067	7664-05C00150-U0BK8-00	5 X1.5	1X1.38	0.7	1.8	11.8	195	1000
76068	7614-05C00150-U0BK8-00	5 X1.5	7X0.53	0.7	1.8	12.3	210	1000
76069	7664-05C00250-U0BK8-00	5 X2.5	1X1.78	0.7	1.8	12.9	260	1000
76070	7614-05C00250-U0BK8-00	5 X2.5	7X0.67	0.7	1.8	13.5	270	1000
76071	7664-05C00400-U0BK8-00	5 X4	1X2.25	0.7	1.8	14.1	345	1000
76072	7614-05C00400-U0BK8-00	5 X4	7X0.85	0.7	1.8	14.9	365	1000
76073	7664-06C00150-U0BK8-00	6 X1.5	1X1.38	0.7	1.8	12.6	225	1000
76074	7614-06C00150-U0BK8-00	6 X1.5	7X0.53	0.7	1.8	13.3	245	1000
76075	7664-06C00250-U0BK8-00	6 X2.5	1X1.78	0.7	1.8	13.8	300	1000
76076	7614-06C00250-U0BK8-00	6 X2.5	7X0.67	0.7	1.8	14.5	320	1000
76077	7664-06C00400-U0BK8-00	6 X4	1X2.25	0.7	1.8	15.3	410	1000
76078	7614-06C00400-U0BK8-00	6 X4	7X0.85	0.7	1.8	16.2	435	1000
76079	7664-07C00150-U0BK8-00	7 X1.5	1X1.38	0.7	1.8	12.6	235	1000
76080	7614-07C00150-U0BK8-00	7 X1.5	7X0.53	0.7	1.8	13.3	255	1000
76081	7664-07C00250-U0BK8-00	7 X2.5	1X1.78	0.7	1.8	13.8	315	1000
76082	7614-07C00250-U0BK8-00	7 X2.5	7X0.67	0.7	1.8	14.5	330	1000
76083	7664-07C00400-U0BK8-00	7 X4	1X2.25	0.7	1.8	15.3	435	1000
76084	7614-07C00400-U0BK8-00	7 X4	7X0.85	0.7	1.8	16.2	460	1000
76085	7664-08C00150-U0BK8-00	8 X1.5	1X1.38	0.7	1.8	13.9	265	1000
76086	7614-08C00150-U0BK8-00	8 X1.5	7X0.53	0.7	1.8	14.7	295	1000
76087	7664-08C00250-U0BK8-00	8 X2.5	1X1.78	0.7	1.8	15.3	360	1000
76088	7614-08C00250-U0BK8-00	8 X2.5	7X0.67	0.7	1.8	16.1	390	1000
76089	7664-08C00400-U0BK8-00	8 X4	1X2.25	0.7	1.8	16.9	495	1000
76090	7614-08C00400-U0BK8-00	8 X4	7X0.85	0.7	1.8	18.0	535	1000
76091	7664-09C00150-U0BK8-00	9 X1.5	1X1.38	0.7	1.8	14.9	295	1000
76092	7614-09C00150-U0BK8-00	9 X1.5	7X0.53	0.7	1.8	15.7	330	1000
76093	7664-09C00250-U0BK8-00	9 X2.5	1X1.78	0.7	1.8	16.5	405	1000
76094	7614-09C00250-U0BK8-00	9 X2.5	7X0.67	0.7	1.8	17.3	450	1000
76095	7664-09C00400-U0BK8-00	9 X4	1X2.25	0.7	1.8	18.3	555	1000
76096	7614-09C00400-U0BK8-00	9 X4	7X0.85	0.7	1.8	19.5	610	1000
76097	7664-10C00150-U0BK8-00	10 X1.5	1X1.38	0.7	1.8	15.5	320	1000
76098	7614-10C00150-U0BK8-00	10 X1.5	7X0.53	0.7	1.8	16.4	345	1000
76099	7664-10C00250-U0BK8-00	10 X2.5	1X1.78	0.7	1.8	17.1	435	1000
76100	7614-10C00250-U0BK8-00	10 X2.5	7X0.67	0.7	1.8	18.0	455	1000
76101	7664-10C00400-U0BK8-00	10 X4	1X2.25	0.7	1.8	19.0	600	1000
76102	7614-10C00400-U0BK8-00	10 X4	7X0.85	0.7	1.8	20.2	630	1000
76103	7664-12C00150-U0BK8-00	12 X1.5	1X1.38	0.7	1.8	16.0	365	1000
76104	7614-12C00150-U0BK8-00	12 X1.5	7X0.53	0.7	1.8	16.9	390	1000
76105	7664-12C00250-U0BK8-00	12 X2.5	1X1.78	0.7	1.8	17.6	495	1000
76106	7614-12C00250-U0BK8-00	12 X2.5	7X0.67	0.7	1.8	18.6	520	1000
76107	7664-12C00400-U0BK8-00	12 X4	1X2.25	0.7	1.8	19.6	695	1000
76108	7614-12C00400-U0BK8-00	12 X4	7X0.85	0.7	1.8	20.8	725	1000



0.6/1 KV XLPE INSULATED CABLES

IEC-60502-1

BS-5467

MULTI CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76109	7664-15C00150-U0BK8-00	15X1.5	1X1.38	0.7	1.8	17.5	435	1000
76110	7614-15C00150-U0BK8-00	15 X1.5	7X0.53	0.7	1.8	18.5	465	1000
76111	7664-15C00250-U0BK8-00	15 X2.5	1X1.78	0.7	1.8	19.4	600	1000
76112	7614-15C00250-U0BK8-00	15 X2.5	7X0.67	0.7	1.8	20.5	630	1000
76113	7664-15C00400-U0BK8-00	15 X4	1X2.25	0.7	1.8	21.6	840	1000
76114	7614-15C00400-U0BK8-00	15 X4	7X0.85	0.7	1.8	23.0	885	1000
76115	7664-16C00150-U0BK8-00	16 X1.5	1X1.38	0.7	1.8	17.5	455	1000
76116	7614-16C00150-U0BK8-00	16 X1.5	7X0.53	0.7	1.8	18.5	490	1000
76117	7664-16C00250-U0BK8-00	16 X2.5	1X1.78	0.7	1.8	19.4	635	1000
76118	7614-16C00250-U0BK8-00	16 X2.5	7X0.67	0.7	1.8	20.5	665	1000
76119	7664-16C00400-U0BK8-00	16 X4	1X2.25	0.7	1.8	21.6	890	1000
76120	7614-16C00400-U0BK8-00	16 X4	7X0.85	0.7	1.8	23.0	935	1000
76121	7664-19C00150-U0BK8-00	19 X1.5	1X1.38	0.7	1.8	18.4	515	1000
76122	7614-19C00150-U0BK8-00	19 X1.5	7X0.53	0.7	1.8	19.5	555	1000
76123	7664-19C00250-U0BK8-00	19 X2.5	1X1.78	0.7	1.8	20.4	725	1000
76124	7614-19C00250-U0BK8-00	19 X2.5	7X0.67	0.7	1.8	21.6	760	1000
76125	7664-19C00400-U0BK8-00	19 X4	1X2.25	0.7	1.8	22.8	1025	1000
76126	7614-19C00400-U0BK8-00	19 X4	7X0.85	0.7	1.8	24.3	1075	1000
76127	7664-20C00150-U0BK8-00	20X1.5	1X1.38	0.7	1.8	19.4	545	1000
76128	7614-20C00150-U0BK8-00	20 X1.5	7X0.53	0.7	1.8	20.5	585	1000
76129	7664-20C00250-U0BK8-00	20 X2.5	1X1.78	0.7	1.8	21.5	760	1000
76130	7614-20C00250-U0BK8-00	20 X2.5	7X0.67	0.7	1.8	22.7	800	1000
76131	7664-20C00400-U0BK8-00	20 X4	1X2.25	0.7	1.8	24.0	1075	1000
76132	7614-20C00400-U0BK8-00	20 X4	7X0.85	0.7	1.8	25.6	1135	1000
76133	7664-24C00150-U0BK8-00	24 X1.5	1X1.38	0.7	1.8	21.3	635	1000
76134	7614-24C00150-U0BK8-00	24 X1.5	7X0.53	0.7	1.8	22.5	680	1000
76135	7664-24C00250-U0BK8-00	24 X2.5	1X1.78	0.7	1.8	23.7	895	1000
76136	7614-24C00250-U0BK8-00	24 X2.5	7X0.67	0.7	1.8	25.1	935	1000
76137	7664-24C00400-U0BK8-00	24 X4	1X2.25	0.7	1.8	26.5	1270	500
76138	7614-24C00400-U0BK8-00	24 X4	7X0.85	0.7	1.8	28.3	1335	500



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED CABLES

IEC-60502-1

BS-5467

MULTI CORE CABLES

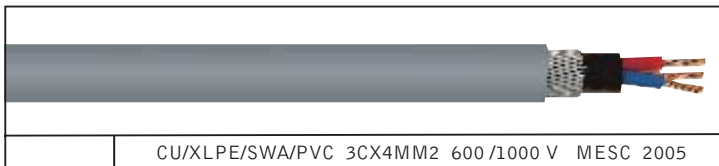
Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
76139	7664-25C 00150-U0BK8-00	25 X1.5	1X1.38	0.7	1.8	21.3	655	1000
76140	7614-25C 00150-U0BK8-00	25 X1.5	7X0.53	0.7	1.8	22.5	700	1000
76141	7664-25C 00250-U0BK8-00	25 X2.5	1X1.78	0.7	1.8	23.7	925	1000
76142	7614-25C 00250-U0BK8-00	25 X2.5	7X0.67	0.7	1.8	25.1	970	1000
76143	7664-25C 00400-U0BK8-00	25 X4	1X2.25	0.7	1.8	26.5	1315	500
76144	7614-25C 00400-U0BK8-00	25 X4	7X0.85	0.7	1.8	28.3	1380	500
76145	7664-27C 00150-U0BK8-00	27 X1.5	1X1.38	0.7	1.8	21.7	690	1000
76146	7614-27C 00150-U0BK8-00	27 X1.5	7X0.53	0.7	1.8	23.0	745	1000
76147	7664-27C 00250-U0BK8-00	27 X2.5	1X1.78	0.7	1.8	24.2	985	1000
76148	7614-27C 00250-U0BK8-00	27 X2.5	7X0.67	0.7	1.8	25.6	1025	1000
76149	7664-27C 00400-U0BK8-00	27 X4	1X2.25	0.7	1.8	27.1	1405	500
76150	7614-27C 00400-U0BK8-00	27 X4	7X0.85	0.7	1.8	28.9	1470	500
76151	7664-30C 00150-U0BK8-00	30 X1.5	1X1.38	0.7	1.8	22.5	760	1000
76152	7614-30C 00150-U0BK8-00	30 X1.5	7X0.53	0.7	1.8	23.8	810	1000
76153	7664-30C 00250-U0BK8-00	30 X2.5	1X1.78	0.7	1.8	25.0	1075	1000
76154	7614-30C 00250-U0BK8-00	30 X2.5	7X0.67	0.7	1.8	26.5	1125	500
76155	7664-30C 00400-U0BK8-00	30 X4	1X2.25	0.7	1.8	28.0	1540	500
76156	7614-30C 00400-U0BK8-00	30 X4	7X0.85	0.7	1.8	30.0	1615	500
76157	7664-37C 00150-U0BK8-00	37 X1.5	1X1.38	0.7	1.8	24.2	905	1000
76158	7614-37C 00150-U0BK8-00	37 X1.5	7X0.53	0.7	1.8	25.6	965	1000
76159	7664-37C 00250-U0BK8-00	37 X2.5	1X1.78	0.7	1.8	27.0	1295	500
76160	7614-37C 00250-U0BK8-00	37 X2.5	7X0.67	0.7	1.8	28.6	1350	500
76161	7664-37C 00400-U0BK8-00	37 X4	1X2.25	0.7	1.9	30.5	1875	500
76162	7614-37C 00400-U0BK8-00	37 X4	7X0.85	0.7	1.9	32.6	1965	500
76163	7664-48C 00150-U0BK8-00	48 X1.5	1X1.38	0.7	1.9	27.7	1145	500
76164	7614-48C 00150-U0BK8-00	48 X1.5	7X0.53	0.7	1.9	29.4	1225	500
76165	7664-48C 00250-U0BK8-00	48 X2.5	1X1.78	0.7	1.9	31.0	1650	500
76166	7614-48C 00250-U0BK8-00	48 X2.5	7X0.67	0.7	1.9	32.8	1715	500
76167	7664-48C 00400-U0BK8-00	48 X4	1X2.25	0.7	2.1	35.2	2410	500
76168	7614-48C 00400-U0BK8-00	48 X4	7X0.85	0.7	2.1	37.6	2520	500
76169	7664-61C 00150-U0BK8-00	61 X1.5	1X1.38	0.7	1.9	30.1	1405	500
76170	7614-61C 00150-U0BK8-00	61 X1.5	7X0.53	0.7	1.9	32.0	1505	500
76171	7664-61C 00250-U0BK8-00	61 X2.5	1X1.78	0.7	2.0	33.9	2055	500
76172	7614-61C 00250-U0BK8-00	61 X2.5	7X0.67	0.7	2.0	36.0	2130	500
76173	7664-61C 00400-U0BK8-00	61 X4	1X2.25	0.7	2.2	38.6	3015	500
76174	7614-61C 00400-U0BK8-00	61 X4	7X0.85	0.7	2.2	41.3	3135	500

0.6 /1 KV XLPE INSULATED WIRE ARMoured CABLES

IEC - 60502

BS - 5467

Specification : IEC 60502, BS - 5467



Application : Can be used indoors or outdoors in cable ducts, cable trays, conduits or underground locations under mechanical stresses in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Construction

- **Conductor** : Annealed plain copper conductor solid as per class 1 and stranded as per class 2 of IEC-60228.
- **Insulation** : Solid extruded XLPE as per IEC- 605021-.
- **Core colours** : 2 Core : Red & Black.
3 Core : Red, Yellow & Blue.
4 Core : Red, Yellow, Blue & Black.
5 Core & above : Black cores with Number printing.
- **Inner covering** : Extruded PVC compatible with the operating temperature of the conductor.
- **Steel Wire Armour** : Galvanized Steel wire as per IEC- 605021-.
- **Outer Sheath** : Extruded PVC Type ST-2 as per IEC-605021-, passes flame retardance test as per IEC-603321-. Also passes flame test as per IEC-603323- Cat C.

Technical Data

- **Conductor resistance** : As per class 1 & 2 of IEC- 60228.
- **Working voltage** : 600 / 1000 Volts.
- **Test Voltage** : 3.5 kV. RMS or 8.4 kV. DC for 5 minutes
- **Temperature** : -25 °C to +90 °C.
- **Bending Radius** : 6 X Cable Ø.
- **Maximum short circuit temperature** : 250 °C (5 Seconds Max.).
- **For current ratings of these cables** : Refer to Technical Section of the catalogue.



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED WIRE ARMoured CABLES IEC - 60502-1 BS - 5467

2 CORE CABLES

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76175	7664-02C00150-W0BK8-00	2X1.5	1X1.38	0.7	8.0	0.9	9.8	1.8	13.5	350	1000
76176	7614-02C00150-W0BK8-00	2X 1.5	7X0.53	0.7	8.4	0.9	10.2	1.8	14.0	370	1000
76177	7664-02C00250-W0BK8-00	2X 2.5	1X1.78	0.7	8.8	0.9	10.6	1.8	14.3	405	1000
76178	7614-02C00250-W0BK8-00	2X 2.5	7X0.67	0.7	9.2	0.9	11.0	1.8	14.8	420	1000
76179	7664-02C00400-W0BK8-00	2X 4	1X2.25	0.7	9.7	0.9	11.5	1.8	15.3	470	1000
76180	7614-02C00400-W0BK8-00	2X 4	7X0.85	0.7	10.3	0.9	12.1	1.8	15.9	500	1000
76181	7664-02C00600-W0BK8-00	2X 6	1X2.76	0.7	10.7	0.9	12.5	1.8	16.3	550	1000
76182	7614-02C00600-W0BK8-00	2X 6	7X1.04	0.7	11.4	0.9	13.2	1.8	17.0	585	1000
76183	7614-02C01000-W0BK8-00	2X 10	7X1.35	0.7	13.3	1.25	15.8	1.8	19.6	850	1000
76184	7614-02C01600-W0BK8-00	2X 16	7X1.70	0.7	15.4	1.25	17.9	1.8	21.7	1075	1000
76185	7614-02C02500-W0BK8-00	2X 25	7X2.14	0.9	18.8	1.6	22.0	1.8	25.8	1615	500
76186	7614-02C03500-W0BK8-00	2X 35	7X2.52	0.9	21.1	1.6	24.3	1.8	28.1	1955	500
76187	7614-02C05000-W0BK8-00	2X 50	19X1.78	1.0	24.2	1.6	27.4	1.8	31.2	2395	500
76188	7614-02C07000-W0BK8-00	2X 70	19X2.14	1.1	28.2	1.6	31.4	2.0	35.6	3150	500

3 CORE CABLES

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76189	7664-03C00150-W0BK8-00	3X1.5	1X1.38	0.7	8.4	0.9	10.2	1.8	14.0	375	1000
76190	7614-03C00150-W0BK8-00	3X 1.5	7X0.53	0.7	8.9	0.9	10.7	1.8	14.5	400	1000
76191	7664-03C00250-W0BK8-00	3X 2.5	1X1.78	0.7	9.3	0.9	11.1	1.8	14.9	440	1000
76192	7614-03C00250-W0BK8-00	3X 2.5	7X0.67	0.7	9.8	0.9	11.6	1.8	15.4	465	1000
76193	7664-03C00400-W0BK8-00	3X 4	1X2.25	0.7	10.3	0.9	12.1	1.8	15.9	525	1000
76194	7614-03C00400-W0BK8-00	3X 4	7X0.85	0.7	11.0	0.9	12.8	1.8	16.5	555	1000
76195	7664-03C00600-W0BK8-00	3X 6	1X2.76	0.7	11.4	0.9	13.2	1.8	17.0	625	1000
76196	7614-03C00600-W0BK8-00	3X 6	7X1.04	0.7	12.2	0.9	14.0	1.8	17.8	660	1000
76197	7614-03C01000-W0BK8-00	3X 10	7X1.35	0.7	14.2	1.25	16.7	1.8	20.5	970	1000
76198	7614-03C01600-W0BK8-00	3X 16	7X1.7	0.7	16.5	1.25	19.0	1.8	22.7	1260	1000
76199	7614-03C02500-W0BK8-00	3X 25	7X2.14	0.9	20.2	1.6	23.4	1.8	27.2	1890	500
76200	7614-03C03500-W0BK8-00	3X 35	7X2.52	0.9	22.6	1.6	25.8	1.8	29.6	2325	500
76201	7614-03C05000-W0BK8-00	3X 50	19X1.78	1.0	26.0	1.6	29.2	1.9	33.2	2910	500
76202	7614-03C07000-W0BK8-00	3X 70	19X2.14	1.1	30.7	2.0	34.7	2.0	38.9	4130	500

4 CORE CABLES WITH REDUCED NEUTRAL (3 & 1/2 Core)

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76203	7614-3/501000-W0BK8-00	3X10/6	7X1.35 7X1.04	0.7 0.7	14.8	1.25	17.3	1.8	21.1	1055	1000
76204	7614-3/501600-W0BK8-00	3X16/10	7X1.7 7X1.35	0.7 0.7	17.3	1.25	19.8	1.8	23.6	1380	1000
76205	7614-3/502500-W0BK8-00	3X25/16	7X2.14 7X1.7	0.9 0.7	21.1	1.6	24.3	1.8	28.1	2075	500
76206	7614-3/503500-W0BK8-00	3X35/16	7X2.52 7X1.7	0.9 0.7	23.1	1.6	26.3	1.8	30.1	2470	500
76207	7614-3/505000-W0BK8-00	3X50/25	19X1.78 7X2.14	1.0 0.9	27.0	1.6	30.2	1.9	34.2	3180	500
76208	7614-3/507000-W0BK8-00	3X70/35	19X2.14 7X2.52	1.1 0.9	31.7	2.0	35.7	2.1	40.1	4530	500



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED WIRE ARMoured CABLES IEC - 60502-1 BS - 5467

4 CORE CABLES

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76209	7664-04C 00150-W0BK8-00	4X1.5	1X1.38	0.7	9.1	0.9	10.9	1.8	14.7	420	1000
76210	7614-04C 00150-W0BK8-00	4X 1.5	7X0.53	0.7	9.7	0.9	11.5	1.8	15.2	440	1000
76211	7664-04C 00250-W0BK8-00	4X2.5	1X1.78	0.7	10.1	0.9	11.9	1.8	15.7	495	1000
76212	7614-04C 00250-W0BK8-00	4X 2.5	7X0.67	0.7	10.7	0.9	12.5	1.8	16.5	520	1000
76213	7664-04C 00400-W0BK8-00	4X 4	1X2.25	0.7	11.2	0.9	13.0	1.8	16.8	595	1000
76214	7614-04C 00400-W0BK8-00	4X 4	7X0.85	0.7	12.0	0.9	13.8	1.8	17.5	625	1000
76215	7664-04C 00600-W0BK8-00	4X 6	1X2.76	0.7	12.5	0.9	14.3	1.8	18.1	715	1000
76216	7614-04C 00600-W0BK8-00	4X 6	7X1.04	0.7	13.3	1.25	15.8	1.8	19.6	815	1000
76217	7614-04C 01000-W0BK8-00	4X 10	7X1.35	0.7	15.6	1.25	18.1	1.8	21.9	1220	1000
76218	7614-04C 01600-W0BK8-00	4X 16	7X1.7	0.7	18.1	1.6	21.3	1.8	25.1	1610	1000
76219	7614-04C 02500-W0BK8-00	4X 25	7X2.14	0.9	22.3	1.6	25.5	1.8	29.2	2220	500
76220	7614-04C 03500-W0BK8-00	4X 35	7X2.52	0.9	25.0	1.6	28.2	1.9	32.2	2770	500
76221	7614-04C 05000-W0BK8-00	4X 50	19X1.78	1.0	28.7	2.0	32.7	2.0	36.9	3730	500
76222	7614-04C 07000-W0BK8-00	4X 70	19X2.14	1.1	33.9	2.0	37.9	2.1	42.3	4970	500

MULTI CORE CABLES

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76223	7664-05C 00150-W0BK8-00	5 X1.5	1X1.38	0.7	10.0	0.9	11.8	1.8	15.6	465	1000
76224	7614-05C 00150-W0BK8-00	5 X1.5	7X0.53	0.7	10.5	0.9	12.3	1.8	16.1	485	1000
76225	7664-05C 00250-W0BK8-00	5 X2.5	1X1.78	0.7	11.1	0.9	12.9	1.8	16.6	545	1000
76226	7614-05C 00250-W0BK8-00	5 X2.5	7X0.67	0.7	11.7	0.9	13.5	1.8	17.3	575	1000
76227	7664-05C 00400-W0BK8-00	5 X4	1X2.25	0.7	12.3	0.9	14.1	1.8	17.9	665	1000
76228	7614-05C 00400-W0BK8-00	5 X4	7X0.85	0.7	13.1	0.9	14.9	1.8	18.7	810	1000
76229	7664-06C 00150-W0BK8-00	6 X1.5	1X1.38	0.7	11.0	0.9	12.8	1.8	16.6	515	1000
76230	7614-06C 00150-W0BK8-00	6 X1.5	7X0.53	0.7	11.7	0.9	13.5	1.8	17.3	550	1000
76231	7664-06C 00250-W0BK8-00	6 X2.5	1X1.78	0.7	12.2	0.9	14.0	1.8	17.8	620	1000
76232	7614-06C 00250-W0BK8-00	6 X2.5	7X0.67	0.7	12.9	0.9	14.7	1.8	18.5	650	1000
76233	7664-06C 00400-W0BK8-00	6 X4	1X2.25	0.7	13.7	1.25	16.2	1.8	19.9	865	1000
76234	7614-06C 00400-W0BK8-00	6 X4	7X0.85	0.7	14.6	1.25	17.1	1.8	20.8	910	1000
76235	7664-07C 00150-W0BK8-00	7 X1.5	1X1.38	0.7	11.0	0.9	12.8	1.8	16.6	535	1000
76236	7614-07C 00150-W0BK8-00	7 X1.5	7X0.53	0.7	11.7	0.9	13.5	1.8	17.3	570	1000
76237	7664-07C 00250-W0BK8-00	7 X2.5	1X1.78	0.7	12.2	1.25	14.7	1.8	18.5	750	1000
76238	7614-07C 00250-W0BK8-00	7 X2.5	7X0.67	0.7	12.9	1.25	15.4	1.8	19.2	780	1000
76239	7664-07C 00400-W0BK8-00	7 X4	1X2.25	0.7	13.7	1.25	16.2	1.8	19.9	905	1000
76240	7614-07C 00400-W0BK8-00	7 X4	7X0.85	0.7	14.6	1.25	17.1	1.8	20.8	955	1000
76241	7664-08C 00150-W0BK8-00	8 X1.5	1X1.38	0.7	12.3	0.9	14.1	1.8	17.9	595	1000
76242	7614-08C 00150-W0BK8-00	8 X1.5	7X0.53	0.7	13.1	0.9	14.9	1.8	18.6	640	1000
76243	7664-08C 00250-W0BK8-00	8 X2.5	1X1.78	0.7	13.7	1.25	16.6	1.8	20.0	825	1000
76244	7614-08C 00250-W0BK8-00	8 X2.5	7X0.67	0.7	14.5	1.25	17.0	1.8	20.8	885	1000
76245	7664-08C 00400-W0BK8-00	8 X4	1X2.25	0.7	15.3	1.25	17.8	1.8	21.6	1020	1000
76246	7614-08C 00400-W0BK8-00	8 X4	7X0.85	0.7	16.4	1.25	18.9	1.8	22.7	1090	1000
76247	7664-09C 00150-W0BK8-00	9 X1.5	1X1.38	0.7	13.3	0.9	15.1	1.8	18.9	650	1000
76248	7614-09C 00150-W0BK8-00	9 X1.5	7X0.53	0.7	14.1	0.9	15.9	1.8	19.7	705	1000
76249	7664-09C 00250-W0BK8-00	9 X2.5	1X1.78	0.7	14.9	1.25	17.4	1.8	21.1	910	1000
76250	7614-09C 00250-W0BK8-00	9 X2.5	7X0.67	0.7	15.7	1.25	18.2	1.8	22.0	975	1000
76251	7664-09C 00400-W0BK8-00	9 X4	1X2.25	0.7	16.7	1.25	19.2	1.8	22.9	1115	1000
76252	7614-09C 00400-W0BK8-00	9 X4	7X0.85	0.7	17.8	1.25	20.3	1.8	24.1	1210	1000
76253	7664-10C 00150-W0BK8-00	10 X1.5	1X1.38	0.7	13.9	0.9	15.7	1.8	19.5	685	1000
76254	7614-10C 00150-W0BK8-00	10 X1.5	7X0.53	0.7	14.8	0.9	16.6	1.8	20.3	725	1000
76255	7664-10C 00250-W0BK8-00	10 X2.5	1X1.78	0.7	15.5	1.25	18.0	1.8	21.8	960	1000
76256	7614-10C 00250-W0BK8-00	10 X2.5	7X0.67	0.7	16.4	1.25	18.9	1.8	22.7	1015	1000
76257	7664-10C 00400-W0BK8-00	10 X4	1X2.25	0.7	17.4	1.6	20.6	1.8	24.4	1325	1000
76258	7614-10C 00400-W0BK8-00	10 X4	7X0.85	0.7	18.6	1.6	21.8	1.8	25.6	1400	500
76259	7664-12C 00150-W0BK8-00	12 X1.5	1X1.38	0.7	14.4	1.25	16.9	1.8	20.7	860	1000
76260	7614-12C 00150-W0BK8-00	12X1.5	7X0.53	0.7	15.3	1.25	17.8	1.8	21.5	905	1000
76261	7664-12C 00250-W0BK8-00	12X2.5	1X1.78	0.7	16.0	1.25	18.5	1.8	22.3	1045	1000
76262	7614-12C 00250-W0BK8-00	12X2.5	7X0.67	0.7	17.0	1.25	19.5	1.8	23.0	1095	1000
76263	7664-12C 00250-W0BK8-00	12X4	1X2.25	0.7	18.0	1.6	21.2	1.8	25.0	1440	1000
76264	7614-12C 00400-W0BK8-00	12X4	7X0.85	0.7	19.3	1.6	22.5	1.8	26.2	1515	500



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED WIRE ARMoured CABLES IEC - 60502-1 BS - 5467

MULTI CORE CABLES

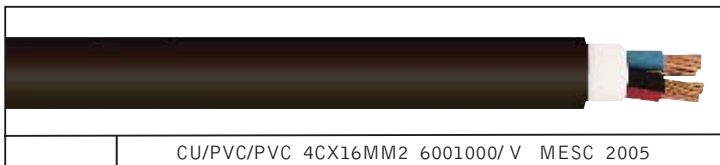
Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76265	7664-14C00150-WOBK8-00	14X1.5	1X1.38	0.7	15.1	1.25	17.6	1.8	21.4	915	1000
76266	7614-14C00150-WOBK8-00	14 X1.5	7X0.53	0.7	16.0	1.25	18.5	1.8	22.3	980	1000
76267	7664-14C00250-WOBK8-00	14X2.5	1X1.78	0.7	16.9	1.25	19.4	1.8	23.1	1135	1000
76268	7614-14C00250-WOBK8-00	14 X2.5	7X0.67	0.7	17.9	1.25	20.4	1.8	24.2	1195	1000
76269	7664-14C00400-WOBK8-00	14 X4	1X2.25	0.7	18.9	1.6	22.1	1.8	25.9	1575	500
76270	7614-14C00400-WOBK8-00	14 X4	7X0.85	0.7	20.3	1.6	23.5	1.8	27.2	1655	500
76271	7664-15C00150-WOBK8-00	15 X1.5	1X1.38	0.7	15.9	1.25	18.4	1.8	22.2	965	1000
76272	7614-15C00150-WOBK8-00	15 X1.5	7X0.53	0.7	16.9	1.25	19.4	1.8	23.2	1035	1000
76273	7664-15C00250-WOBK8-00	15 X2.5	1X1.78	0.7	17.8	1.6	21.0	1.8	24.8	1345	1000
76274	7614-15C00250-WOBK8-00	15 X2.5	7X0.67	0.7	18.9	1.6	22.1	1.8	25.9	1410	500
76275	7664-15C00400-WOBK8-00	15 X4	1X2.25	0.7	20.0	1.6	23.2	1.8	27.0	1665	500
76276	7614-15C00400-WOBK8-00	15 X4	7X0.85	0.7	21.4	1.6	24.6	1.8	28.4	1750	500
76277	7664-16C00150-WOBK8-00	16 X1.5	1X1.38	0.7	15.9	1.25	18.4	1.8	22.2	985	1000
76278	7614-16C00150-WOBK8-00	16 X1.5	7X0.53	0.7	16.9	1.25	19.4	1.8	23.2	1055	1000
76279	7664-16C00250-WOBK8-00	16 X2.5	1X1.78	0.7	17.8	1.6	21.0	1.8	24.8	1375	1000
76280	7614-16C00250-WOBK8-00	16 X2.5	7X0.67	0.7	18.9	1.6	22.1	1.8	25.9	1445	500
76281	7664-16C00400-WOBK8-00	16 X4	1X2.25	0.7	20.0	1.6	23.2	1.8	27.0	1715	500
76282	7614-16C00400-WOBK8-00	16 X4	7X0.85	0.7	21.4	1.6	24.6	1.8	28.4	1800	500
76283	7664-19C00150-WOBK8-00	19 X1.5	1X1.38	0.7	16.8	1.25	19.3	1.8	23.1	1080	1000
76284	7614-19C00150-WOBK8-00	19 X1.5	7X0.53	0.7	17.9	1.25	20.4	1.8	24.1	1150	1000
76285	7664-19C00250-WOBK8-00	19 X2.5	1X1.78	0.7	18.8	1.6	22.0	1.8	25.8	1495	500
76286	7614-19C00250-WOBK8-00	19 X2.5	7X0.67	0.7	20.0	1.6	23.2	1.8	26.9	1580	500
76287	7664-19C00400-WOBK8-00	19 X 4	1X2.25	0.7	21.2	1.6	24.4	1.8	28.1	1895	500
76288	7614-19C00400-WOBK8-00	19 X 4	7X0.85	0.7	22.7	1.6	25.9	1.8	29.6	2005	500
76289	7664-20C00150-WOBK8-00	20 X 1.5	1X1.38	0.7	17.7	1.25	20.2	1.8	24.0	1140	1000
76290	7614-20C00150-WOBK8-00	20 X1.5	7X0.53	0.7	18.8	1.25	21.3	1.8	25.1	1210	500
76291	7664-20C00250-WOBK8-00	20 X 2.5	1X1.78	0.7	19.9	1.6	23.1	1.8	26.8	1570	500
76292	7614-20C00250-WOBK8-00	20 X 2.5	7X0.67	0.7	21.1	1.6	24.3	1.8	28.1	1670	500
76293	7664-20C00400-WOBK8-00	20 X 4	1X2.25	0.7	22.4	1.6	25.6	1.8	29.3	1990	500
76294	7614-20C00400-WOBK8-00	20 X 4	7X0.85	0.7	24.0	1.6	27.2	1.8	30.9	2105	500
76295	7664-24C00150-WOBK8-00	24 X 1.5	1X1.38	0.7	19.7	1.6	22.9	1.8	26.7	1440	500
76296	7614-24C00150-WOBK8-00	24 X1.5	7X0.53	0.7	20.9	1.6	24.1	1.8	27.9	1525	500
76297	7664-24C00250-WOBK8-00	24 X 2.5	1X1.78	0.7	22.1	1.6	25.3	1.8	29.1	1805	500
76298	7614-24C00250-WOBK8-00	24 X 2.5	7X0.67	0.7	23.5	1.6	26.7	1.8	30.4	1880	500
76299	7664-24C00400-WOBK8-00	24 X 4	1X2.25	0.7	24.9	1.6	28.1	1.9	32.1	2300	500
76300	7614-24C00400-WOBK8-00	24 X 4	7X0.85	0.7	26.7	1.6	29.9	1.9	33.9	2425	500
76301	7664-27C00150-WOBK8-00	27 X 1.5	1X1.38	0.7	20.1	1.6	23.3	1.8	27.1	1520	500
76302	7614-27C00150-WOBK8-00	27 X 1.5	7X0.53	0.7	21.4	1.6	24.6	1.8	28.4	1610	500
76303	7664-27C00250-WOBK8-00	27 X 2.5	1X1.78	0.7	22.6	1.6	25.8	1.8	29.6	1900	500
76304	7614-27C00250-WOBK8-00	27 X 2.5	7X0.67	0.7	24.0	1.6	27.2	1.8	31.0	2000	500
76305	7664-27C00400-WOBK8-00	27 X 4	1X2.25	0.7	25.5	1.6	28.7	1.9	32.7	2460	500
76306	7614-27C00400-WOBK8-00	27 X 4	7X0.85	0.7	27.4	1.6	30.6	1.9	34.5	2585	500
76307	7664-30C00150-WOBK8-00	30 X 1.5	1X1.38	0.7	20.9	1.6	24.1	1.8	27.8	1600	500
76308	7614-30C00150-WOBK8-00	30 X 1.5	7X0.53	0.7	22.2	1.6	25.4	1.8	29.2	1715	500
76309	7664-30C00250-WOBK8-00	30 X 2.5	1X1.78	0.7	23.4	1.6	26.6	1.9	30.6	2045	500
76310	7614-30C00250-WOBK8-00	30 X 2.5	7X0.67	0.7	24.9	1.6	28.1	1.9	32.1	2150	500
76311	7664-30C00400-WOBK8-00	30 X 4	1X2.25	0.7	26.4	1.6	29.6	2.0	33.8	2650	500
76312	7614-30C00400-WOBK8-00	30 X 4	7X0.85	0.7	28.4	1.6	31.6	2.0	35.8	2795	500
76313	7664-37C00150-WOBK8-00	37 X 1.5	1X1.38	0.7	22.6	1.6	25.8	1.8	29.6	1815	500
76314	7614-37C00150-WOBK8-00	37 X 1.5	7X0.53	0.7	24.0	1.6	27.2	1.8	31.1	1940	500
76315	7664-37C00250-WOBK8-00	37 X 2.5	1X1.78	0.7	25.4	1.6	28.6	1.9	32.6	2345	500
76316	7614-37C00250-WOBK8-00	37 X 2.5	7X0.67	0.7	27.0	1.6	30.2	1.9	34.2	2445	500
76317	7664-37C00400-WOBK8-00	37 X 4	1X2.25	0.7	29.1	2.0	33.1	2.1	37.5	3375	500
76318	7614-37C00400-WOBK8-00	37 X 4	7X0.85	0.7	31.2	2.0	35.2	2.1	39.6	3560	500
76319	7664-48C00150-WOBK8-00	48 X 1.5	1X1.38	0.7	25.9	1.6	29.1	1.9	33.2	2205	500
76320	7614-48C00150-WOBK8-00	48 X 1.5	7X0.53	0.7	27.6	1.6	30.8	1.9	34.9	2350	500
76321	7664-48C00250-WOBK8-00	48 X 2.5	1X1.78	0.7	29.6	2.0	33.6	2.1	38.0	3150	500
76322	7614-48C00250-WOBK8-00	48 X 2.5	7X0.67	0.7	31.4	2.0	35.4	2.1	39.9	3315	500
76323	7664-48C00400-WOBK8-00	48 X 4	1X2.25	0.7	33.4	2.0	37.4	2.2	42.0	4095	500
76324	7614-48C00400-WOBK8-00	48 X 4	7X0.85	0.7	35.9	2.0	39.9	2.2	44.5	4340	500
76325	7664-61C00150-WOBK8-00	61 X 1.5	1X1.38	0.7	28.7	2.0	32.7	2.1	37.0	2855	500
76326	7614-61C00150-WOBK8-00	61 X 1.5	7X0.53	0.7	30.6	2.0	34.6	2.1	38.9	3050	500
76327	7664-61C00250-WOBK8-00	61 X 2.5	1X1.78	0.7	32.3	2.0	36.3	2.2	40.9	3685	500
76328	7614-61C00250-WOBK8-00	61 X 2.5	7X0.67	0.7	34.4	2.0	38.4	2.2	43.0	3870	500

0.61/ KV PVC INSULATED CABLES

IEC - 60502- 1

BS - 6346

Specification : IEC 60502- 1, BS-6346



Application : Can be used indoors or outdoors in cable duct or tray in power switching stations, Industrial plants and in commercial buildings. Suitable for direct burial where there is no danger of mechanical damage.

Construction

- **Conductor** : Solid copper as per class 1 or stranded copper as per class 2 of IEC-60228.
- **Insulation** : PVC / A as per IEC- 60502- 1.
- **Core colours** :
 - Single core : Black.
 - 2 Core : Red & Black.
 - 3 Core : Red, Yellow & Blue.
 - 4 Core : Red, Yellow, Blue & Black.
 - 5 Core & above : Black Cores with Number printing.
- **Inner covering** : Extruded PVC compatible with the operating temperature of the conductor. This inner covering is applicable to cables having conductors of 16 mm² and above.
- **Outer Sheath** : PVC Type ST- 1 as per IEC- 60502 1-, passes flame retardance test as per IEC- 60332- 1 and IEC- 60332- 3 Cat C.

Technical Data

- **Conductor resistance** : As per class 1 or 2 of IEC-60228.
- **Working Voltage** : 6001000/ Volts.
- **Test Voltage** : 3.5 KV. RMS or 8.4 KV. DC for 5 minutes.
- **Temperature** : - 25°C to +70°C.*
- **Bending Radius** : Upto 25mm O. D.- 4 X Cable Ø.
Above 25mm O. D.- 6 X Cable Ø.
- **Maximum short circuit temperature** : 160°C (5 Seconds Max.).
- **For current ratings of these cables** : Refer Technical Section of the catalogue.

* 90°C insulation with PVC/E to IEC 60227- 1 can be provided on request. For 90°C insulation the PVC outer sheath material shall be PVC type ST2 as per IEC-60502- 1.



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED CABLES

IEC - 60502-1

BS - 6346

SINGLE CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
73001	7361-01C00150-U0BK8-00	1X1.5	1X1.38	0.8	1.4	6.0	53	1000
73002	7311-01C00150-U0BK8-00	1X1.5	7X0.53	0.8	1.4	6.2	56	1000
73003	7361-01C00250-U0BK8-00	1X2.5	1X1.78	0.8	1.4	6.4	66	1000
73004	7311-01C00250-U0BK8-00	1X2.5	7X0.67	0.8	1.4	6.6	69	1000
73005	7361-01C00400-U0BK8-00	1X4	1X2.25	1.0	1.4	7.3	91	1000
73006	7311-01C00400-U0BK8-00	1X4	7X0.85	1.0	1.4	7.6	96	1000
73007	7361-01C00600-U0BK8-00	1X6	1X2.76	1.0	1.4	7.8	115	1000
73008	7311-01C00600-U0BK8-00	1X6	7X1.04	1.0	1.4	8.2	121	1000
73009	7311-01C01000-U0BK8-00	1X10	7X1.35	1.0	1.4	9.1	169	1000
73010	7311-01C01600-U0BK8-00	1X16	7X1.7	1.0	1.4	10.1	236	1000
73011	7311-01C02500-U0BK8-00	1X25	7X2.14	1.2	1.4	11.9	348	1000
73012	7311-01C03500-U0BK8-00	1X35	7X2.52	1.2	1.4	13.0	453	1000
73013	7311-01C05000-U0BK8-00	1X50	19X1.78	1.4	1.4	14.8	594	1000
73014	7311-01C07000-U0BK8-00	1X70	19X2.14	1.4	1.4	16.6	811	1000
73015	7311-01C09500-U0BK8-00	1X95	19X2.52	1.6	1.5	19.1	1106	1000
73016	7311-01C12000-U0BK8-00	1X120	37X2.03	1.6	1.5	20.7	1352	500
73017	7311-01C15000-U0BK8-00	1X150	37X2.25	1.8	1.6	22.9	1657	500
73018	7311-01C18500-U0BK8-00	1X185	37X2.52	2.0	1.7	25.4	2065	500

2 CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
73019	7361-02C00150-U0BK8-00	2x1.5	1x1.38	0.8	1.8	10.0	135	1000
73020	7311-02C00150-U0BK8-00	2x1.5	7x0.53	0.8	1.8	10.4	145	1000
73021	7361-02C00250-U0BK8-00	2x2.5	1x1.78	0.8	1.8	10.8	170	1000
73022	7311-02C00250-U0BK8-00	2x2.5	7x0.67	0.8	1.8	11.1	175	1000
73023	7361-02C00400-U0BK8-00	2x4	1x2.25	1.0	1.8	12.5	235	1000
73024	7311-02C00400-U0BK8-00	2x4	7x0.85	1.0	1.8	13.0	250	1000
73025	7361-02C00600-U0BK8-00	2x6	1x2.76	1.0	1.8	13.5	295	1000
73026	7311-02C00600-U0BK8-00	2x6	7x1.04	1.0	1.8	14.2	315	1000
73027	7311-02C01000-U0BK8-00	2x10	7x1.35	1.0	1.8	16.1	440	1000
73028	7311-02C01600-U0BK8-00	2x16	7x1.7	1.0	1.8	20.4	735	1000
73029	7311-02C02500-U0BK8-00	2x25	7x2.14	1.2	1.8	23.8	1055	1000
73030	7311-02C03500-U0BK8-00	2x35	7x2.52	1.2	1.8	26.1	1335	500
73031	7311-02C05000-U0BK8-00	2x50	19x1.78	1.4	1.8	29.6	1725	500
73032	7311-02C07000-U0BK8-00	2x70	19x2.14	1.4	1.9	33.8	2345	500



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED CABLES

IEC - 60502-1

BS - 6346

3 CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
73033	7361-03C00150-U0BK8-00	3x1.5	1x1.38	0.8	1.8	10.5	160	1000
73034	7311-03C00150-U0BK8-00	3x1.5	7x0.53	0.8	1.8	10.9	170	1000
73035	7361-03C00250-U0BK8-00	3x2.5	1x1.78	0.8	1.8	11.3	200	1000
73036	7311-03C00250-U0BK8-00	3x2.5	7x0.67	0.8	1.8	11.7	210	1000
73037	7361-03C00400-U0BK8-00	3x4	1x2.25	1.0	1.8	13.2	285	1000
73038	7311-03C00400-U0BK8-00	3x4	7x0.85	1.0	1.8	13.8	305	1000
73039	7361-03C00600-U0BK8-00	3x6	1x2.76	1.0	1.8	14.3	365	1000
73040	7311-03C00600-U0BK8-00	3x6	7x1.04	1.0	1.8	15.1	390	1000
73041	7311-03C01000-U0BK8-00	3x10	7x1.35	1.0	1.8	17.1	550	1000
73042	7311-03C01600-U0BK8-00	3x16	7x1.7	1.0	1.8	21.5	900	1000
73043	7311-03C02500-U0BK8-00	3x25	7x2.14	1.2	1.8	25.3	1315	1000
73044	7311-03C03500-U0BK8-00	3x35	7x2.52	1.2	1.8	27.7	1680	500
73045	7311-03C05000-U0BK8-00	3x50	19x1.78	1.4	1.9	32.1	2225	500
73046	7311-03C07000-U0BK8-00	3x70	19x2.14	1.4	2.0	36.2	3000	500

4 CORE CABLES WITH REDUCED NEUTRAL (3&1/2 Cores)

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
73047	7311-3/501000-U0BK8-00	3x10/6	7x1.35 7x1.04	1.0 1.0	1.8	20.0	755	500
73048	7311-3/501600-U0BK8-00	3x16/10	7x1.7 7x1.35	1.0 1.0	1.8	22.5	1045	500
73049	7311-3/502500-U0BK8-00	3x25/16	7x2.14 7x1.7	1.2 1.0	1.8	26.3	1535	500
73050	7311-3/503500-U0BK8-00	3x35/16	7x2.52 7x1.7	1.2 1.0	1.8	28.3	1920	500
73051	7311-3/505000-U0BK8-00	3x50/25	19x1.78 7x2.14	1.4 1.2	1.9	32.8	2575	500
73052	7311-3/507000-U0BK8-00	3x70/35	19x2.14 7x2.52	1.4 1.2	2.0	37.3	3520	500

4 CORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
73053	7361-04C00150-U0BK8-00	4x1.5	1x1.38	0.8	1.8	11.2	185	1000
73054	7311-04C00150-U0BK8-00	4x1.5	7x0.53	0.8	1.8	11.7	200	1000
73055	7361-04C00250-U0BK8-00	4x2.5	1x1.78	0.8	1.8	12.2	240	1000
73056	7311-04C00250-U0BK8-00	4x2.5	7x0.67	0.8	1.8	12.6	250	1000
73057	7361-04C00400-U0BK8-00	4x4	1x2.25	1.0	1.8	14.3	345	1000
73058	7311-04C00400-U0BK8-00	4x4	7x0.85	1.0	1.8	14.9	365	1000
73059	7361-04C00600-U0BK8-00	4x6	1x2.76	1.0	1.8	15.5	450	1000
73060	7361-04C00650-U0BK8-00	4x6	7x1.04	1.0	1.8	16.4	480	1000
73061	7311-04C00050-U0BK8-00	4x10	7x1.35	1.0	1.8	18.6	685	1000
73062	7361-04C01650-U0BK8-00	4x16	7x1.7	1.0	1.8	23.3	1090	1000
73063	7311-04C02550-U0BK8-00	4x25	7x2.14	1.2	1.8	27.5	1605	500
73064	7361-04C03500-U0BK8-00	4x35	7x2.52	1.2	1.8	30.2	2065	500
73065	7311-04C05000-U0BK8-00	4x50	19x1.78	1.4	2.0	35.2	2750	500
73066	7361-04C07000-U0BK8-00	4x70	19x2.14	1.4	2.1	39.8	3730	500



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED CABLES

IEC - 60502-1

BS - 6346

MULTICORE CABLES

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
73067	7361-05C00150-U0BK8-00	5x1.5	1x1.38	0.8	1.8	12.1	220	1000
73068	7311-05C00150-U0BK8-00	5x1.5	7x0.53	0.8	1.8	12.7	240	1000
73069	7361-05C00250-U0BK8-00	5x2.5	1x1.78	0.8	1.8	13.2	290	1000
73070	7311-05C00250-U0BK8-00	5x2.5	7x0.67	0.8	1.8	13.7	300	1000
73071	7361-05C00400-U0BK8-00	5x4	1x2.25	1.0	1.8	15.5	415	1000
73072	7311-05C00400-U0BK8-00	5x4	7x0.85	1.0	1.8	16.2	435	1000
73073	7361-06C00150-U0BK8-00	6x1.5	1x1.38	0.8	1.8	13.2	260	1000
73074	7311-06C00150-U0BK8-00	6x1.5	7x0.53	0.8	1.8	13.9	280	1000
73075	7361-06C00250-U0BK8-00	6x2.5	1x1.78	0.8	1.8	14.4	340	1000
73076	7311-06C00250-U0BK8-00	6x2.5	7x0.67	0.8	1.8	15.0	355	1000
73077	7361-05C00400-U0BK8-00	6x4	1x2.25	1.0	1.8	17.1	500	1000
73078	7311-06C00400-U0BK8-00	6x4	7x0.85	1.0	1.8	17.8	525	1000
73079	7361-07C00150-U0BK8-00	7x1.5	1x1.38	0.8	1.8	13.2	270	1000
73080	7311-07C00150-U0BK8-00	7x1.5	7x0.53	0.8	1.8	13.9	295	1000
73081	7361-07C00250-U0BK8-00	7x2.5	1x1.78	0.8	1.8	14.4	360	1000
73082	7311-07C00250-U0BK8-00	7x2.5	7x0.67	0.8	1.8	15.0	375	1000
73083	7361-07C00400-U0BK8-00	7x4	1x2.25	1.0	1.8	17.1	525	1000
73084	7311-07C00400-U0BK8-00	7x4	7x0.85	1.0	1.8	17.8	550	1000
73085	7361-08C00150-U0BK8-00	8x1.5	1x1.38	0.8	1.8	14.6	310	1000
73086	7311-08C00150-U0BK8-00	8x1.5	7x0.53	0.8	1.8	15.4	350	1000
73087	7361-08C00250-U0BK8-00	8x2.5	1x1.78	0.8	1.8	16.0	410	1000
73088	7311-08C00250-U0BK8-00	8x2.5	7x0.67	0.8	1.8	16.7	445	1000
73089	7361-08C00400-U0BK8-00	8x4	1x2.25	1.0	1.8	19.0	600	1000
73090	7311-09C00400-U0BK8-00	8x4	7x0.85	1.0	1.8	19.9	655	1000
73091	7361-09C00150-U0BK8-00	9x1.5	1x1.38	0.8	1.8	15.1	340	1000
73092	7311-09C00150-U0BK8-00	9x1.5	7x0.53	0.8	1.8	15.8	390	1000
73093	7361-09C00250-U0BK8-00	9x2.5	1x1.78	0.8	1.8	16.5	450	1000
73094	7311-09C00250-U0BK8-00	9x2.5	7x0.67	0.8	1.8	17.2	505	1000
73095	7361-09C00400-U0BK8-00	9x4	1x2.25	1.0	1.8	19.7	665	1000
73096	7311-09C00400-U0BK8-00	9x4	7x0.85	1.0	1.8	20.7	750	1000
73097	7361-10C00150-U0BK8-00	10x1.5	1x1.38	0.8	1.8	16.3	370	1000
73098	7311-10C00150-U0BK8-00	10x1.5	7x0.53	0.8	1.8	17.2	400	1000
73099	7361-10C00250-U0BK8-00	10x2.5	1x1.78	0.8	1.8	17.9	495	1000
73100	7311-10C00250-U0BK8-00	10x2.5	7x0.67	0.8	1.8	18.7	515	1000
73101	7361-10C00400-U0BK8-00	10x4	1x2.25	1.0	1.8	21.4	730	1000
73102	7311-10C00400-U0BK8-00	10x4	7x0.85	1.0	1.8	22.4	765	1000
73103	7361-12C00150-U0BK8-00	12x1.5	1x1.38	0.8	1.8	16.8	420	1000
73104	7311-12C00150-U0BK8-00	12x1.5	7x0.53	0.8	1.8	17.7	455	1000
73105	7361-12C00250-U0BK8-00	12x2.5	1x1.78	0.8	1.8	18.5	565	1000
73106	7311-12C00250-U0BK8-00	12x2.5	7x0.67	0.8	1.8	19.3	595	1000
73107	7361-12C00400-U0BK8-00	12x4	1x2.25	1.0	1.8	22.1	840	1000
73108	7311-12C00400-U0BK8-00	12x4	7x0.85	1.0	1.8	23.2	885	1000
73109	7361-15C00150-U0BK8-00	15x1.5	1x1.38	0.8	1.8	18.0	500	1000
73110	7311-15C00150-U0BK8-00	15x1.5	7x0.53	0.8	1.8	19.0	545	1000
73111	7361-15C00250-U0BK8-00	15x2.5	1x1.78	0.8	1.8	19.9	685	1000
73112	7311-15C00250-U0BK8-00	15x2.5	7x0.67	0.8	1.8	20.7	710	1000
73113	7361-15C00400-U0BK8-00	15x4	1x2.25	1.0	1.8	23.8	1020	1000
73114	7311-15C00400-U0BK8-00	15x4	7x0.58	1.0	1.8	25.0	1075	1000
73115	7361-16C00150-U0BK8-00	16x1.5	1x1.38	0.8	1.8	18.5	535	1000
73116	7311-16C00150-U0BK8-00	16x1.5	7x0.53	0.8	1.8	19.5	580	1000
73117	7361-16C00250-U0BK8-00	16x2.5	1x1.78	0.8	1.8	20.4	725	1000
73118	7311-16C00250-U0BK8-00	16x2.5	7x0.67	0.8	1.8	21.2	755	1000
73119	7361-16C00400-U0BK8-00	16x4	1x2.25	1.0	1.8	24.4	1085	1000
73120	7311-16C00400-U0BK8-00	16x4	7x0.85	1.0	1.8	25.7	1145	1000



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED CABLES

IEC - 60502-1

BS - 6346

MULTICORE CABLES

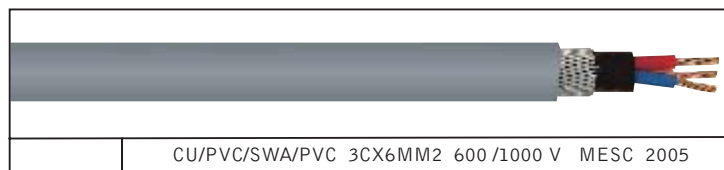
Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
73121	7361-19C 00150-U0BK8-00	19x1.5	1x1.38	0.8	1.8	19.4	605	1000
73122	7311-19C 00150-U0BK8-00	19x1.5	7x0.53	0.8	1.8	20.5	655	1000
73123	7361-19C 00250-U0BK8-00	19x2.5	1x1.78	0.8	1.8	21.4	825	1000
73124	7311-19C 00250-U0BK8-00	19x2.5	7x0.67	0.8	1.8	22.4	865	1000
73125	7361-19C 00400-U0BK8-00	19x4	1x2.25	1.0	1.8	25.8	1250	500
73126	7311-19C 00400-U0BK8-00	19x4	7x0.85	1.0	1.8	27.1	1315	500
73127	7361-20C 00150-U0BK8-00	20x1.5	1x1.38	0.8	1.8	20.4	635	1000
73128	7311-20C 00150-U0BK8-00	20x1.5	7x0.53	0.8	1.8	21.5	695	1000
73129	7361-20C 00250-U0BK8-00	20x2.5	1x1.78	0.8	1.8	22.5	865	1000
73130	7311-20C 00250-U0BK8-00	20x2.5	7x0.67	0.8	1.8	23.6	920	1000
73131	7361-20C 00400-U0BK8-00	20x4	1x2.25	1.0	1.8	27.2	1310	500
73132	7311-20C 00400-U0BK8-00	20x4	7x0.85	1.0	1.8	28.6	1400	500
73133	7361-24C 00150-U0BK8-00	24x1.5	1x1.38	0.8	1.8	22.5	750	1000
73134	7311-24C 00150-U0BK8-00	24x1.5	7x0.53	0.8	1.8	23.7	805	1000
73135	7361-24C 00250-U0BK8-00	24x2.5	1x1.78	0.8	1.8	24.9	1025	1000
73136	7311-24C 00250-U0BK8-00	24x2.5	7x0.67	0.8	1.8	26.0	1070	500
73137	7361-24C 00400-U0BK8-00	24x4	1x2.25	1.0	1.9	30.3	1565	500
73138	7311-24C 00400-U0BK8-00	24x4	7x0.85	1.0	1.9	31.9	1650	500
73139	7361-25C 00150-U0BK8-00	25x1.5	1x1.38	0.8	1.8	22.5	775	1000
73140	7311-25C 00150-U0BK8-00	25x1.5	7x0.53	0.8	1.8	23.7	830	1000
73141	7361-25C 00250-U0BK8-00	25x2.5	1x1.78	0.8	1.8	24.9	1065	1000
73142	7311-25C 00250-U0BK8-00	25x2.5	7x0.67	0.8	1.8	26.0	1110	500
73143	7361-25C 00400-U0BK8-00	25x4	1x2.25	1.0	1.9	30.3	1620	500
73144	7311-25C 00400-U0BK8-00	25x4	7x0.85	1.0	1.9	31.9	1710	500
73145	7361-27C 00150-U0BK8-00	27x1.5	1x1.38	0.8	1.8	23.0	820	1000
73146	7311-27C 00150-U0BK8-00	27x1.5	7x0.53	0.8	1.8	24.3	890	1000
73147	7361-27C 00250-U0BK8-00	27x2.5	1x1.78	0.8	1.8	25.4	1130	500
73148	7311-27C 00250-U0BK8-00	27x2.5	7x0.67	0.8	1.8	26.6	1180	500
73149	7361-27C 00400-U0BK8-00	27x4	1x2.25	1.0	1.9	31.0	1730	500
73150	7311-27C 00400-U0BK8-00	27x4	7x2.25	1.0	1.9	32.6	1820	500
73151	7361-30C 00150-U0BK8-00	30x1.5	1x1.38	0.8	1.8	23.7	895	1000
73152	7311-30C 00150-U0BK8-00	30x1.5	7x0.53	0.8	1.8	25.1	970	1000
73153	7361-30C 00250-U0BK8-00	30x2.5	1x1.78	0.8	1.8	26.3	1240	500
73154	7311-30C 00250-U0BK8-00	30x2.5	7x0.67	0.8	1.8	27.5	1290	500
73155	7361-30C 00400-U0BK8-00	30x4	1x2.25	1.0	2.0	32.3	1910	500
73156	7311-30C 00400-U0BK8-00	30x4	7x0.85	1.0	2.0	34.1	2015	500
73157	7361-37C 00150-U0BK8-00	37x1.5	1x1.38	0.8	1.8	25.6	1070	500
73158	7311-37C 00150-U0BK8-00	37x1.5	7x0.53	0.8	1.8	27.0	1155	500
73159	7361-37C 00250-U0BK8-00	37x2.5	1x1.78	0.8	1.8	28.4	1490	500
73160	7311-37C 00250-U0BK8-00	37x2.5	7x0.67	0.8	1.8	29.7	1555	500
73161	7361-37C 00400-U0BK8-00	37x4	1x2.25	1.0	2.1	35.1	2320	500
73162	7311-37C 00400-U0BK8-00	37x4	7x0.85	1.0	2.1	36.9	2440	500
73163	7361-48C 00150-U0BK8-00	48x1.5	1x1.38	0.8	1.9	29.3	1360	500
73164	7311-48C 00150-U0BK8-00	48x1.5	7x0.53	0.8	1.9	31.0	1470	500
73165	7361-48C 00250-U0BK8-00	48x2.5	1x1.78	0.8	2.0	32.8	1915	500
73166	7311-48C 00250-U0BK8-00	48x2.5	7x0.67	0.8	2.0	34.3	1995	500
73167	7361-48C 00400-U0BK8-00	48x4	1x2.25	1.0	2.2	40.3	2960	500
73168	7311-48C 00400-U0BK8-00	48x4	7x0.85	1.0	2.2	42.4	3110	500
73169	7361-61C 00150-U0BK8-00	61x1.5	1x1.38	0.8	2.0	32.1	1695	500
73170	7311-61C 00150-U0BK8-00	61x1.5	7x0.53	0.8	2.0	34.0	1830	500
73171	7361-61C 00250-U0BK8-00	61x2.5	1x1.78	0.8	2.1	35.9	2385	500
73172	7311-61C 00250-U0BK8-00	61x2.5	7x0.67	0.8	2.1	37.6	2490	500

0.6/ 1 KV PVC INSULATED WIRE ARMoured CABLES

IEC - 60502 -1

BS - 6346

Specification : IEC 60502- 1, BS- 6346



Application : Can be used indoors or outdoors in cable ducts, cable trays, conduits or underground locations under mechanical stresses in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Construction

- **Conductor** : Annealed plain copper conductor solid as per class 1 and stranded as per class 2 of IEC-60228.
- **Insulation** : Solid extruded PVC / A as per IEC- 60502- 1.
- **Core colours** :
 - 2 Core : Red & Black.
 - 3 Core : Red, Yellow & Blue.
 - 4 Core : Red, Yellow, Blue & Black.
 - 5 Core & above : Black cores with Number printing.
- **Inner covering** : Extruded PVC compatible with the operating temperature of the conductor.
- **Steel Wire Armour** : Galvanized Steel wire as per IEC-60502 -1.
- **Outer Sheath** : Extruded PVC Type ST-1 as per IEC-60502- 1, passes flame retardance test as per IEC-60332- 1. Also passes flame test as per IEC-60332- 3 Cat C.

Technical Data

- **Conductor resistance** : As per class 1 & 2 of IEC-60228.
- **Working voltage** : 600 / 1000 Volts.
- **Test Voltage** : 3.5 KV. RMS or 8.4 KV. DC for 5 minutes.
- **Temperature** : -25°C to +70°C.
- **Bending Radius** : 6 X Cable Ø.
- **Maximum short circuit temperature** : 160°C (5 Seconds Max.).
- **For current ratings of these cables** : Refer to Technical Section of the catalogue.

* 90°C insulation with PVC/E to IEC 60227- 1 can be provided on request, For 90°C insulation the PVC outer sheath material shall be PVC type ST2 as per IEC 60502- 1.



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED WIRE ARMoured CABLES

IEC - 60502-1

BS - 6346

2 CORE CABLES

Order No.	MESC Code	Cores x Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
73173	7361-02C00150-W0BK8-00	2X1.5	1X1.38	0.8	8.4	0.9	10.2	1.8	13.9	375	1000
73174	7311-02C00150-W0BK8-00	2X 1.5	7X0.53	0.8	8.8	0.9	10.6	1.8	14.4	395	1000
73175	7361-02C00250-W0BK8-00	2X 2.5	1X1.78	0.8	9.2	0.9	11.0	1.8	14.7	430	1000
73176	7311-02C00250-W0BK8-00	2X 2.5	7X0.67	0.8	9.6	0.9	11.4	1.8	15.2	450	1000
73177	7361-02C00400-W0BK8-00	2X 4	1X2.25	1.0	10.9	0.9	12.7	1.8	16.5	540	1000
73178	7311-02C00400-W0BK8-00	2X 4	7X0.85	1.0	11.5	0.9	13.3	1.8	17.1	575	1000
73179	7361-02C00600-W0BK8-00	2X 6	1X2.76	1.0	11.9	0.9	13.7	1.8	17.5	625	1000
73180	7311-02C00600-W0BK8-00	2X 6	7X1.04	1.0	12.6	0.9	14.4	1.8	18.2	660	1000
73181	7311-02C01000-W0BK8-00	2X 10	7X1.35	1.0	14.5	1.25	17.0	1.8	20.8	835	1000
73182	7311-02C01600-W0BK8-00	2X 16	7X1.7	1.0	16.6	1.25	19.1	1.8	22.9	1185	1000
73183	7311-02C02500-W0BK8-00	2X 25	7X2.14	1.2	20.0	1.6	23.2	1.8	27.0	1750	500
73184	7311-02C03500-W0BK8-00	2X 35	7X2.52	1.2	22.3	1.6	25.5	1.8	29.3	2100	500
73185	7311-02C05000-W0BK8-00	2X50	19X1.78	1.4	25.8	1.6	29.0	1.9	33.0	2625	500
73186	7311-02C07000-W0BK8-00	2X 70	19X2.14	1.4	29.8	2.0	33.8	2.0	38.0	3650	500

3 CORE CABLES

Order No.	MESC Code	Cores x Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
73187	7361-03C00150-W0BK8-00	3X1.5	1X1.38	0.8	8.9	0.9	10.7	1.8	14.4	410	1000
73188	7311-03C00150-W0BK8-00	3X 1.5	7X0.53	0.8	9.3	0.9	11.1	1.8	14.9	430	1000
73189	7361-03C00250-W0BK8-00	3X 2.5	1X1.78	0.8	9.7	0.9	11.5	1.8	15.3	475	1000
73190	7311-03C00250-W0BK8-00	3X 2.5	7X0.67	0.8	10.2	0.9	12.0	1.8	15.8	495	1000
73191	7361-03C00400-W0BK8-00	3X 4	1X2.25	1.0	11.6	0.9	13.4	1.8	17.2	605	1000
73192	7311-03C00400-W0BK8-00	3X 4	7X0.85	1.0	12.2	0.9	14.0	1.8	17.8	640	1000
73193	7361-03C00600-W0BK8-00	3X 6	1X2.76	1.0	12.7	1.25	15.2	1.8	19.0	800	1000
73194	7311-03C00600-W0BK8-00	3X 6	7X1.04	1.0	13.5	1.25	16.6	1.8	19.8	850	1000
73195	7311-03C01000-W0BK8-00	3X 10	7X1.35	1.0	15.5	1.25	18.0	1.8	21.8	1085	1000
73196	7311-03C01600-W0BK8-00	3X 16	7X1.7	1.0	17.8	1.25	20.3	1.8	24.0	1385	1000
73197	7311-03C02500-W0BK8-00	3X 25	7X2.14	1.2	21.5	1.6	24.7	1.8	28.5	2045	500
73198	7311-03C03500-W0BK8-00	3X 35	7X2.52	1.2	23.9	1.6	27.1	1.8	30.9	2500	500
73199	7311-03C05000-W0BK8-00	3X 50	19X1.78	1.4	27.7	1.6	30.9	2.0	35.1	3175	500
73200	7311-03C07000-W0BK8-00	3X 70	19X2.14	1.4	32.0	2.0	36.0	2.1	40.4	4410	500

4 CORE CABLES WITH REDUCED NEUTRAL (3 & 1/2 Core)

Order No.	MESC Code	Cores x Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
73201	7311-3/501000-W0BK8-00	3X10/6	7X1.35 7X1.04	1.0 1.0	16.3	1.25	18.8	1.8	22.6	1170	1000
73202	7311-3/501600-W0BK8-00	3X16/10	7X1.7 7X1.35	1.0 1.0	18.8	1.6	22.0	1.8	25.8	1665	500
73203	7311-3/502500-W0BK8-00	3X25/16	7X2.14 7X1.7	1.2 1.0	22.5	1.6	25.7	1.8	29.6	2230	500
73204	7311-3/503500-W0BK8-00	3X35/16	7X2.52 7X1.7	1.2 1.0	24.6	1.6	27.8	1.9	31.8	2675	500
73205	7311-3/505000-W0BK8-00	3X50/25	19X1.78 7X2.14	1.4 1.2	28.8	2.0	32.8	2.0	37.1	3680	500
73206	7311-3/507000-W0BK8-00	3X70/35	19X2.14 7X2.52	1.0 1.2	33.2	2.0	37.2	2.1	41.7	4775	500



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED WIRE ARMoured CABLES

IEC - 60502-1

BS - 6346

4 CORE CABLES

Order No.	MESC Code	Cores x Size No.XSq.mm	Strand x Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
73207	7361-04C 00150-W0BK8-00	4X1.5	1X1.38	0.8	9.6	0.9	11.4	1.8	15.2	450	1000
73208	7311-04C 00150-W0BK8-00	4X 1.5	7X0.53	0.8	10.1	0.9	11.9	1.8	15.7	480	1000
73209	7361-04C 00250-W0BK8-00	4X2.5	1X1.78	0.8	10.6	0.9	12.4	1.8	16.2	535	1000
73210	7311-04C 00250-W0BK8-00	4X 2.5	7X0.67	0.8	11.1	0.9	12.9	1.8	16.7	555	1000
73211	7361-04C 00400-W0BK8-00	4X 4	1X2.25	1.0	12.7	1.25	15.2	1.8	19.0	790	1000
73212	7311-04C 00400-W0BK8-00	4X 4	7X0.85	1.0	13.4	1.25	15.9	1.8	19.7	830	1000
73213	7361-04C 00600-W0BK8-00	4X 6	1X2.76	1.0	13.9	1.25	16.4	1.8	20.2	930	1000
73214	7311-04C 00600-W0BK8-00	4X 6	7X1.04	1.0	14.8	1.25	17.3	1.8	21.1	985	1000
73215	7311-04C 01000-W0BK8-00	4X 10	7X1.35	1.0	17.0	1.25	19.5	1.8	23.3	1255	1000
73216	7311-04C 01600-W0BK8-00	4X 16	7X1.7	1.0	19.6	1.6	22.8	1.8	26.5	1775	500
73217	7311-04C 02500-W0BK8-00	4X 25	7X2.14	1.2	23.7	1.6	26.9	1.8	30.7	2410	500
73218	7311-04C 03500-W0BK8-00	4X 35	7X2.52	1.2	26.4	1.6	29.6	1.9	33.6	2995	500
73219	7311-04C 05000-W0BK8-00	4X 50	19X1.78	1.4	31.0	2.0	35.0	2.1	39.5	4130	500
73220	7311-04C 07000-W0BK8-00	4X 70	19X2.14	1.4	35.4	2.0	39.4	2.2	44.0	5295	500

MULTI CORE CABLES

Order No.	MESC Code	Cores x Size No.XSq.mm	Strand x Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
73221	7361-05C 00150-W0BK8-00	5X1.5	1X1.38	0.8	10.5	0.9	12.3	1.8	16.1	500	1000
73222	7311-05C 00150-W0BK8-00	5X1.5	7X0.53	0.8	11.1	0.9	12.9	1.8	16.7	530	1000
73223	7361-05C 00250-W0BK8-00	5X2.5	1X1.78	0.8	11.6	0.9	13.4	1.8	17.2	595	1000
73224	7311-05C 00250-W0BK8-00	5X2.5	7X0.67	0.8	12.2	0.9	14.0	1.8	17.8	625	1000
73225	7361-05C 00400-W0BK8-00	5X4	1X2.25	1.0	14.0	1.25	16.5	1.8	20.2	900	1000
73226	7311-05C 00400-W0BK8-00	5X4	7X0.85	1.0	14.8	1.25	17.3	1.8	21.0	940	1000
73227	7361-06C 00150-W0BK8-00	6X1.5	1X1.38	0.8	11.6	0.9	13.4	1.8	17.2	565	1000
73228	7311-06C 00150-W0BK8-00	6X1.5	7X0.53	0.8	12.3	0.9	14.1	1.8	17.9	600	1000
73229	7361-06C 00250-W0BK8-00	6X2.5	1X1.78	0.8	12.8	1.25	15.1	1.8	19.2	770	1000
73230	7311-06C 00250-W0BK8-00	6X2.5	7X0.67	0.8	13.5	1.25	16.0	1.8	19.8	815	1000
73231	7361-06C 00400-W0BK8-00	6X4	1X2.25	1.0	15.5	1.25	18.0	1.8	21.7	1000	1000
73232	7311-06C 00400-W0BK8-00	6X4	7X0.85	1.0	16.4	1.25	18.9	1.8	22.6	1055	1000
73233	7361-07C 00150-W0BK8-00	7X1.5	1X1.38	0.8	11.6	0.9	13.4	1.8	17.2	585	1000
73234	7311-07C 00150-W0BK8-00	7X1.5	7X0.53	0.8	12.3	0.9	14.1	1.8	17.9	620	1000
73235	7361-07C 00250-W0BK8-00	7X2.5	1X1.78	0.8	12.8	1.25	15.3	1.8	19.1	800	1000
73236	7311-07C 00250-W0BK8-00	7X2.5	7X0.67	0.8	13.5	1.25	16.0	1.8	19.8	850	1000
73237	7361-07C 00400-W0BK8-00	7X4	1X2.25	1.0	15.5	1.25	18.0	1.8	21.7	1050	1000
73238	7311-07C 00400-W0BK8-00	7X4	7X0.85	1.0	16.4	1.25	18.9	1.8	22.6	1110	1000
73239	7361-08C 00150-W0BK8-00	8X1.5	1X1.38	0.8	12.7	0.9	14.5	1.8	18.2	645	1000
73240	7311-08C 00150-W0BK8-00	8X1.5	7X0.53	0.8	13.4	0.9	15.2	1.8	18.9	700	1000
73241	7361-08C 00250-W0BK8-00	8X2.5	1X1.78	0.8	14.0	1.25	16.5	1.8	20.3	890	1000
73242	7311-08C 00250-W0BK8-00	8X2.5	7X0.67	0.8	14.8	1.25	17.3	1.8	21.0	955	1000
73243	7361-08C 00400-W0BK8-00	8X4	1X2.25	1.0	16.9	1.6	20.1	1.8	23.9	1305	1000
73244	7311-08C 00400-W0BK8-00	8X4	7X0.85	1.0	17.9	1.6	21.1	1.8	24.9	1405	1000
73245	7361-09C 00150-W0BK8-00	9X 1.5	1X1.38	0.8	14.1	0.9	15.9	1.8	19.7	715	1000
73246	7311-09C 00150-W0BK8-00	9X 1.5	7X0.53	0.8	14.9	0.9	16.7	1.8	20.5	790	1000
73247	7361-09C 00250-W0BK8-00	9X 2.5	1X1.78	0.8	14.9	1.25	17.4	1.8	21.2	960	1000
73248	7311-09C 00250-W0BK8-00	9X 2.5	7X0.67	0.8	15.8	1.25	18.3	1.8	22.0	1045	1000
73249	7361-09C 00400-W0BK8-00	9X 4	1X2.25	1.0	18.1	1.6	20.3	1.8	25.0	1410	500
73250	7311-09C 00400-W0BK8-00	9X 4	7X0.85	1.0	19.1	1.6	22.3	1.8	26.1	1550	500
73251	7361-10C 00150-W0BK8-00	10X1.5	1X1.38	0.8	14.7	1.25	17.2	1.8	21.0	875	1000
73252	7311-10C 00150-W0BK8-00	10X1.5	7X0.53	0.8	15.6	1.25	18.1	1.8	21.8	930	1000
73253	7361-10C 00250-W0BK8-00	10X2.5	1X1.78	0.8	16.3	1.25	18.8	1.8	22.6	1045	1000
73254	7311-10C 00250-W0BK8-00	10X2.5	7X0.67	0.8	17.2	1.25	19.7	1.8	23.5	1095	1000
73255	7361-10C 00400-W0BK8-00	10X4	1X2.25	1.0	19.8	1.6	23.0	1.8	26.8	1540	500
73256	7311-10C 00400-W0BK8-00	10X4	7X0.85	1.0	21.0	1.6	24.2	1.8	28.0	1640	500



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED WIRE ARMoured CABLES

IEC - 60502-1

BS - 6346

MULTI CORE CABLES

Order No.	MESC Code	Cores x Size No.XSq.mm	Strand x Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
73257	7361-12C 00150-WBK8-00	12X1.5	1X1.38	0.8	15.2	1.25	17.7	1.8	21.5	940	1000
73258	7311-12C 00150-WBK8-00	12X1.5	7X0.53	0.8	16.1	1.25	18.6	1.8	22.4	1000	1000
73259	7361-12C 00250-WBK8-00	12X2.5	1X1.78	0.8	16.9	1.25	19.4	1.8	23.2	1145	1000
73260	7311-12C 00250-WBK8-00	12X2.5	7X0.67	0.8	17.8	1.25	20.3	1.8	24.1	1200	1000
73261	7361-12C 00400-WBK8-00	12X4	1X2.25	1.0	20.5	1.6	23.7	1.8	27.5	1690	500
73262	7311-12C 00400-WBK8-00	12X4	7X0.85	1.0	21.7	1.6	24.9	1.8	28.7	1785	500
73263	7361-14C 00150-WBK8-00	14X1.5	1X1.38	0.8	16.0	1.25	18.5	1.8	22.3	1020	1000
73264	7311-14C 00150-WBK8-00	14X1.5	7X0.53	0.8	16.9	1.25	19.4	1.8	23.2	1085	1000
73265	7361-14C 00250-WBK8-00	14X2.5	1X1.78	0.8	17.8	1.6	21.0	1.8	24.7	1385	1000
73266	7311-14C 00250-WBK8-00	14X2.5	7X0.67	0.8	18.8	1.6	22.0	1.8	25.7	1445	500
73267	7361-14C 00400-WBK8-00	14X4	1X2.25	1.0	21.6	1.6	24.8	1.8	28.6	1850	500
73268	7311-14C 00400-WBK8-00	14X4	7X0.85	1.0	22.9	1.6	26.1	1.8	29.9	1950	500
73269	7361-15C 00150-WBK8-00	15X1.5	1X1.38	0.8	16.4	1.25	18.9	1.8	22.7	1060	1000
73270	7311-15C 00150-WBK8-00	15X1.5	7X0.53	0.8	17.4	1.25	19.9	1.8	23.7	1125	1000
73271	7361-15C 00250-WBK8-00	15X2.5	1X1.78	0.8	18.2	1.6	21.4	1.8	25.2	1425	500
73272	7311-15C 00250-WBK8-00	15X2.5	7X0.67	0.8	19.3	1.6	22.5	1.8	26.3	1510	500
73273	7361-15C 00400-WBK8-00	15X4	1X2.25	1.0	22.2	1.6	25.4	1.8	29.2	1930	500
73274	7311-15C 00400-WBK8-00	15X4	7X0.85	1.0	23.6	1.6	26.8	1.8	30.5	2030	500
73275	7361-16C 00150-WBK8-00	16X1.5	1X1.38	0.8	16.9	1.25	19.4	1.8	23.2	1105	1000
73276	7311-16C 00150-WBK8-00	16X1.5	7X0.53	0.8	17.9	1.25	20.4	1.8	24.1	1170	1000
73277	7361-16C 00250-WBK8-00	16X2.5	1X1.78	0.8	18.8	1.6	22.0	1.8	25.7	1485	500
73278	7311-16C 00250-WBK8-00	16X2.5	7X0.67	0.8	19.8	1.6	23.0	1.8	26.8	1570	500
73279	7361-16C 00400-WBK8-00	16X4	1X2.25	1.0	22.9	1.6	26.1	1.9	30.0	2025	500
73280	7311-16C 00400-WBK8-00	16X4	7X0.85	1.0	24.3	1.6	27.5	1.9	31.5	2150	500
73281	7361-19C 00150-WBK8-00	19X1.5	1X1.38	0.8	17.8	1.6	21.0	1.8	24.8	1350	1000
73282	7311-19C 00150-WBK8-00	19X1.5	7X0.53	0.8	18.9	1.6	22.1	1.8	25.8	1440	500
73283	7361-19C 00250-WBK8-00	19X2.5	1X1.78	0.8	19.8	1.6	23.0	1.8	26.8	1640	500
73284	7311-19C 00250-WBK8-00	19X2.5	7X0.67	0.8	21.0	1.6	24.2	1.8	27.9	1725	500
73285	7361-19C 00400-WBK8-00	19X4	1X2.25	1.0	24.2	1.6	27.4	1.9	31.3	2235	500
73286	7311-19C 00400-WBK8-00	19X4	7X0.85	1.0	25.7	1.6	28.9	1.9	32.8	2380	500
73287	7361-20C 00150-WBK8-00	20X1.5	1X1.38	0.8	18.8	1.6	22.0	1.8	25.8	1405	500
73288	7311-20C 00150-WBK8-00	20X1.5	7X0.53	0.8	19.9	1.6	23.1	1.8	26.9	1515	500
73289	7361-20C 00250-WBK8-00	20X2.5	1X1.78	0.8	20.9	1.6	24.1	1.8	27.9	1725	500
73290	7311-20C 00250-WBK8-00	20X2.5	7X0.67	0.8	22.1	1.6	25.3	1.8	29.1	1830	500
73291	7361-20C 00400-WBK8-00	20X4	1X2.25	1.0	25.5	1.6	28.7	1.9	30.7	2365	500
73292	7311-20C 00400-WBK8-00	20X4	7X0.85	1.0	27.1	1.6	30.3	1.9	34.3	2510	500
73293	7361-24C 00150-WBK8-00	24X1.5	1X1.38	0.8	20.9	1.6	24.1	1.8	27.9	1595	500
73294	7311-24C 00150-WBK8-00	24X1.5	7X0.53	0.8	22.1	1.6	25.3	1.8	29.1	1715	500
73295	7361-24C 00250-WBK8-00	24X2.5	1X1.78	0.8	23.3	1.6	26.5	1.9	30.5	1995	500
73296	7311-24C 00250-WBK8-00	24X2.5	7X0.67	0.8	24.7	1.6	27.9	1.9	31.9	2095	500
73297	7361-24C 00400-WBK8-00	24X4	1X2.25	1.0	28.9	2.0	32.9	2.1	37.3	3035	500
73298	7311-24C 00400-WBK8-00	24X4	7X0.85	1.0	30.7	2.0	34.7	2.1	39.1	3225	500
73299	7361-27C 00150-WBK8-00	27X1.5	1X1.38	0.8	21.4	1.6	24.6	1.8	28.4	1690	500
73300	7311-27C 00150-WBK8-00	27X1.5	7X0.53	0.8	22.7	1.6	25.9	1.8	29.7	1815	500
73301	7361-27C 00250-WBK8-00	27X2.5	1X1.78	0.8	23.8	1.6	27.0	1.9	31.0	2115	500
73302	7311-27C 00250-WBK8-00	27X2.5	7X0.67	0.8	25.3	1.6	28.5	1.9	32.4	2220	500
73303	7361-27C 00400-WBK8-00	27X4	1X2.25	1.0	29.6	2.0	33.6	2.1	38.0	3230	500
73304	7311-27C 00400-WBK8-00	27X4	7X0.85	1.0	31.4	2.0	35.4	2.1	39.9	3435	500
73305	7361-30C 00150-WBK8-00	30X1.5	1X1.38	0.8	22.1	1.6	25.3	1.8	29.1	1805	500
73306	7311-30C 00150-WBK8-00	30X1.5	7X0.53	0.8	23.5	1.6	26.7	1.8	30.5	1920	500
73307	7361-30C 00250-WBK8-00	30X2.5	1X1.78	0.8	24.7	1.6	27.9	1.9	31.9	2250	500
73308	7311-30C 00250-WBK8-00	30X2.5	7X0.67	0.8	26.2	1.6	29.4	1.9	33.4	2380	500
73309	7361-30C 00400-WBK8-00	30X4	1X2.25	1.0	30.7	2.0	34.7	2.1	39.1	3465	500
73310	7311-30C 00400-WBK8-00	30X4	7X0.85	1.0	32.6	2.0	36.6	2.1	41.0	3675	500
73311	7361-37C 00150-WBK8-00	37X1.5	1X1.38	0.8	24.0	1.6	27.2	1.9	31.2	2055	500
73312	7311-37C 00150-WBK8-00	37X1.5	7X0.53	0.8	25.4	1.6	28.0	1.9	32.6	2205	500
73313	7361-37C 00250-WBK8-00	37X2.5	1X1.78	0.8	26.8	1.6	30.0	2.0	34.2	2605	500
73314	7311-37C 00250-WBK8-00	37X2.5	7X0.67	0.8	28.4	1.6	31.6	2.0	35.8	2750	500



M E S C
SPECIALIZED CABLES

0.6/1 KV PVC INSULATED WIRE ARMoured CABLES

IEC - 60502-1

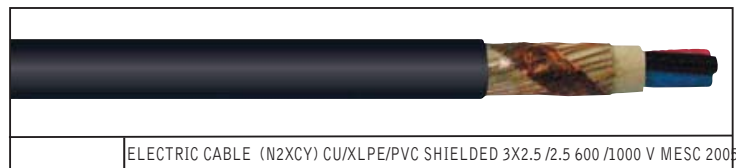
BS - 6346

MULTI CORE CABLES

Order No.	MESC Code	Cores x Size No.XSq.mm	Strand x Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
73315	7361-40C00150-WBK8-00	40 X1.5	1X1.38	0.8	25.5	1.6	28.7	1.9	32.7	2200	500
73316	7311-40C00150-WBK8-00	40 X1.5	7X0.53	0.8	27.1	1.6	30.3	1.9	34.3	2355	500
73317	7361-40C00250-WBK8-00	40 X2.5	1X1.78	0.8	28.9	2.0	32.9	2.1	37.3	3085	500
73318	7311-40C00250-WBK8-00	40 X2.5	7X0.67	0.8	30.6	2.0	34.6	2.1	39.0	3265	500
73319	7361-48C00150-WBK8-00	48 X1.5	1X1.38	0.8	27.5	2.0	31.5	2.0	35.7	2715	500
73320	7311-48C00150-WBK8-00	48 X1.5	7X0.53	0.8	29.3	2.0	33.3	2.0	37.5	2915	500
73321	7361-48C00250-WBK8-00	48 X2.5	1X1.78	0.8	31.2	2.0	35.2	2.1	39.6	3495	500
73322	7311-48C00250-WBK8-00	48 X2.5	7X0.67	0.8	33.1	2.0	37.1	2.1	41.5	3700	500
73323	7361-61C00150-WBK8-00	61 X1.5	1X1.38	0.8	30.5	2.0	34.5	2.1	38.9	3240	500
73324	7311-61C00150-WBK8-00	61 X1.5	7X0.53	0.8	32.4	2.0	36.4	2.1	40.8	3470	500

0.6/ 1 KV XLPE INSULATED SCREENED CABLES (N2XCY)

IEC - 60502 -1



Application : Can be used indoors or outdoors in cable ducts, cable trays, conduits or underground in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Construction

- **Conductor*** : Annealed plain copper conductor, stranded as per class 2 of IEC-60228
- **Insulation** : Solid extruded XLPE as per IEC-60502- 1.
- **Core colours**** :
 - 2 Core : Blue & Brown.
 - 3 Core : Blue, Black & Brown.
 - 4 Core : Blue, Black, Brown & Black.
 - 5 Core & above : White cores with Number printing.
- **Inner covering** : Extruded PVC compatible with the operating temperature of the conductor.
- **Screening** : The screen shall consist of copper wires laid over the inner covering with a transverse helix of copper tape.
The screen area shall be as follows :

No. of Cores	Screen Cross Sectional Area
Under 12	Equivalent to conductor cross section
12 & under 19	not less than 2.5 sq. mm
19 & over	not less than 4 sq. mm
- **Outer Sheath** : Extruded PVC Type ST-2 as per IEC-60502- 1 passes flame retardance test as per IEC-60332- 1. Also passes flame test as per IEC-60332- 3 Cat C.

Technical Data

- **Conductor resistance** : As per class 1 & 2 of IEC-60228.
- **Working voltage** : 600 / 1000 Volts.
- **Test Voltage** : 3.5 kV. RMS or 8.4 kV. DC for 5 minutes
- **Temperature** : -25°C to + 90°C.
- **Bending Radius** :
 - Upto 25mm O.D. : 8 X Cables Ø.
 - Above 25mm O.D. : 10 X Cables Ø.
- **Maximum short circuit temperature** : 250°C (5 Seconds Max.).
- **For current ratings of these cables** : Refer to Technical Section of the catalogue.

NOTE : These cables comply completely with EWR/ESR specification.

* Solid conductors for 1.5 mm², 2.5 mm² & 4 mm², can be supplied on request.

** Other colour codes can be supplied on request.



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED SCREENED CABLES (N2XCY)

IEC 60502-1

2 CORE

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
79001	7914-02C00150-U0BK8-00	2X1.5	7X0.53	0.7	1.8	13.1	233	1000
79002	7914-02C00250-U0BK8-00	2X2.5	7X0.67	0.7	1.8	14.1	283	1000
79003	7914-02C00400-U0BK8-00	2X4	7X0.85	0.7	1.8	15.5	356	1000
79004	7914-02C00600-U0BK8-00	2X6	7X1.04	0.7	1.8	16.7	446	1000
79005	7914-02C01000-U0BK8-00	2X10	7X1.35	0.7	1.8	18.9	627	1000
79006	7914-02C01600-U0BK8-00	2X16	7X1.70	0.7	1.8	21.3	865	1000
79007	7914-02C02500-U0BK8-00	2X25	7X2.14	0.9	1.8	25.0	1266	1000
79008	7914-02C03500-U0BK8-00	2X35	7X2.52	0.9	1.8	27.6	1641	500
79009	7914-02C05000-U0BK8-00	2X50	19X1.78	1.0	1.9	31.1	2137	500
79010	7914-02C07000-U0BK8-00	2X70	19X2.14	1.1	2.0	35.6	2954	500

3 CORE

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
79011	7914-03C00150-U0BK8-00	3X1.5	7X0.53	0.7	1.8	13.6	256	1000
79012	7914-03C00250-U0BK8-00	3X2.5	7X0.67	0.7	1.8	14.6	314	1000
79013	7914-03C00400-U0BK8-00	3X4	7X0.85	0.7	1.8	16.0	402	1000
79014	7914-03C00600-U0BK8-00	3X6	7X1.04	0.7	1.8	17.4	511	1000
79015	7914-03C01000-U0BK8-00	3X10	7X1.35	0.7	1.8	19.8	731	1000
79016	7914-03C01600-U0BK8-00	3X16	7X1.70	0.7	1.8	22.3	1023	1000
79017	7914-03C02500-U0BK8-00	3X25	7X2.14	0.9	1.8	26.3	1511	500
79018	7914-03C03500-U0BK8-00	3X35	7X2.52	0.9	1.8	29.0	1980	500
79019	7914-03C05000-U0BK8-00	3X50	19X1.78	1.0	2.0	33.0	2591	500
79020	7914-03C07000-U0BK8-00	3X70	19X2.14	1.1	2.1	37.8	3604	500

4 CORE

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
79021	7914-04C00150-U0BK8-00	4X1.5	7X0.53	0.7	1.8	14.3	285	1000
79022	7914-04C00250-U0BK8-00	4X2.5	7X0.67	0.7	1.8	15.5	354	1000
79023	7914-04C00400-U0BK8-00	4X4	7X0.85	0.7	1.8	17.0	458	1000
79024	7914-04C00600-U0BK8-00	4X6	7X1.04	0.7	1.8	18.5	588	1000
79025	7914-04C01000-U0BK8-00	4X10	7X1.35	0.7	1.8	21.1	850	1000
79026	7914-04C01600-U0BK8-00	4X16	7X1.70	0.7	1.8	23.9	1202	1000
79027	7914-04C02500-U0BK8-00	4X25	7X2.14	0.9	1.8	28.3	1787	500
79028	7914-04C03500-U0BK8-00	4X35	7X2.52	0.9	1.9	31.4	2368	500
79029	7914-04C05000-U0BK8-00	4X50	19X1.78	1.0	2.1	35.8	3103	500



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED SCREENED CABLES (N2XC Y)

IEC 60502-1

MULTI CORE

Order No.	MESC CODE	Cores X Size No.XSq.mm	Strand X Diameter No.X mm	Insulation Thickness mm	Sheath Thickness mm	Approx. O. D mm.	Approx. Weight Kg/Km	Standard Length m
79030	7914-05C00150-U0BK8-00	5 X1.5	7X0.53	0.7	1.8	15.2	318	1000
79031	7914-05C00250-U0BK8-00	5 X2.5	7X0.67	0.7	1.8	16.5	399	1000
79032	7914-05C00400-U0BK8-00	5 X4	7X0.85	0.7	1.8	18.1	521	1000
79033	7914-06C00150-U0BK8-00	6 X1.5	7X0.53	0.7	1.8	16.1	353	1000
79034	7914-06C00250-U0BK8-00	6 X2.5	7X0.67	0.7	1.8	17.5	446	1000
79035	7914-06C00400-U0BK8-00	6 X4	7X0.85	0.7	1.8	19.3	593	1000
79036	7914-07C00150-U0BK8-00	7 X1.5	7X0.53	0.7	1.8	16.1	373	1000
79037	7914-07C00250-U0BK8-00	7 X2.5	7X0.67	0.7	1.8	17.5	475	1000
79038	7914-07C00400-U0BK8-00	7 X4	7X0.85	0.7	1.8	19.3	638	1000
79039	7914-10C00150-U0BK8-00	10 X1.5	7X0.53	0.7	1.8	19.1	491	1000
79040	7914-10C00250-U0BK8-00	10 X2.5	7X0.67	0.7	1.8	20.9	630	1000
79041	7914-10C00400-U0BK8-00	10 X4	7X0.85	0.7	1.8	23.2	842	1000
79042	7914-12C00150-U0BK8-00	12 X1.5	7X0.53	0.7	1.8	19.8	552	1000
79043	7914-12C00250-U0BK8-00	12 X2.5	7X0.67	0.7	1.8	21.5	701	1000
79044	7914-12C00400-U0BK8-00	12 X4	7X0.85	0.7	1.8	23.8	946	1000
79045	7914-16C00150-U0BK8-00	16 X1.5	7X0.53	0.7	1.8	21.4	662	1000
79046	7914-16C00250-U0BK8-00	16 X2.5	7X0.67	0.7	1.8	23.3	855	1000
79047	7914-16C00400-U0BK8-00	16 X4	7X0.85	0.7	1.8	26.0	1169	500
79048	7914-19C00150-U0BK8-00	19 X1.5	7X0.53	0.7	1.8	22.5	754	1000
79049	7914-19C00250-U0BK8-00	19 X2.5	7X0.67	0.7	1.8	24.5	979	1000
79050	7914-19C00400-U0BK8-00	19 X4	7X0.85	0.7	1.9	27.4	1340	500
79051	7914-24C00150-U0BK8-00	24 X1.5	7X0.53	0.7	1.8	25.5	905	500
79052	7914-24C00250-U0BK8-00	24 X2.5	7X0.67	0.7	1.8	28.0	1185	500
79053	7914-24C00400-U0BK8-00	24 X4	7X0.85	0.7	2.0	31.6	1658	500
79054	7914-27C00150-U0BK8-00	27 X1.5	7X0.53	0.7	1.8	26.0	975	500
79055	7914-27C00250-U0BK8-00	27 X2.5	7X0.67	0.7	1.9	28.7	1300	500
79056	7914-27C00400-U0BK8-00	27 X4	7X0.85	0.7	2.1	32.4	1824	500
79057	7914-30C00150-U0BK8-00	30 X1.5	7X0.53	0.7	1.8	26.7	1049	500
79058	7914-30C00250-U0BK8-00	30 X2.5	7X0.67	0.7	1.9	29.6	1413	500
79059	7914-30C00400-U0BK8-00	30 X4	7X0.85	0.7	2.1	33.4	1987	500
79060	7914-37C00150-U0BK8-00	37 X1.5	7X0.53	0.7	1.9	28.7	1235	500
79061	7914-37C00250-U0BK8-00	37 X2.5	7X0.67	0.7	2.0	31.8	1674	500
79062	7914-37C00400-U0BK8-00	37 X4	7X0.85	0.7	2.2	36.0	2367	500
79063	7914-48C00150-U0BK8-00	48 X1.5	7X0.53	0.7	2.0	32.5	1539	500
79064	7914-48C00250-U0BK8-00	48 X2.5	7X0.67	0.7	2.1	36.1	2098	500

0.6/ 1.0 KV XLPE INSULATED STEEL TAPE ARMoured CABLES

IEC - 60502- 1



Application : Can be used indoors or outdoors in cable ducts, cable trays, conduits or underground locations under mechanical stresses in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Construction

- **Conductor** : Annealed plain copper conductor stranded as per class 2 of IEC-60228.
- **Insulation** : Solid extruded XLPE as per IEC-60502- 1.
- **Core colours*** :
 - 2 Core : Red & Black .
 - 3 Core : Red, Yellow & Blue.
 - 4 Core : Red, Yellow, Blue & Black.
 - 5 Core & above : Black cores with number printing.
- **Inner covering** : Extruded PVC compatible with the operating temperature of the conductor.
- **Steel Tape Armour** : Double galvanized steel tape each of 0.2 mm thickness shall be applied hellically over the inner sheath, as per IEC-60502.
- **Outer Sheath** : Extruded Black PVC Type ST-2 as per IEC-60502, passes flame retardance test as per IEC-60332- 1. Also passes flame test as per IEC-60332- 3 Cat C.

Technical Data

- **Conductor resistance** : As per class 1 & 2 of IEC-60228.
- **Working voltage** : 600 / 1000 Volts.
- **Test Voltage** : 3.5 kV. RMS or 8.4 kV. DC for 5 minutes
- **Temperature** : -25°C to + 90°C.
- **Bending Radius** : 6 X Cable Ø.
- **Maximum short circuit temperature** : 250°C (5 Seconds Max.).
- **For current ratings of these cables** : Refer to Technical Section of the catalogue.

* Other colour codes can be supplied on request.



0.6/1.0 KV XLPE INSULATED STEEL TAPE ARMoured CABLES IEC - 60502

2 CORE

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thck. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Std. Dly. Length m
76329	7614-02C00150-G0BK8-00	2X 1.5	7X0.53	0.7	8.4	0.2	9.8	1.8	13.2	286	1000
76330	7614-02C00250-G0BK8-00	2X 2.5	7X0.67	0.7	9.2	0.2	10.2	1.8	14.0	332	1000
76331	7614-02C00400-G0BK8-00	2X 4	7X0.85	0.7	10.3	0.2	11.3	1.8	15.1	400	1000
76332	7614-02C00600-G0BK8-00	2X 6	7X1.04	0.7	11.4	0.2	12.4	1.8	16.2	479	1000
76333	7614-02C01000-G0BK8-00	2X 10	7X1.35	0.7	13.3	0.2	14.3	1.8	18.1	629	1000
76334	7614-02C01600-G0BK8-00	2X 16	7X1.70	0.7	15.4	0.2	16.4	1.8	20.2	828	1000
76335	7614-02C02500-G0BK8-00	2X 25	7X2.14	0.9	18.8	0.2	19.8	1.8	23.6	1168	1000
76336	7614-02C03500-G0BK8-00	2X 35	7X2.52	0.9	21.1	0.2	22.1	1.8	25.9	1465	500
76337	7614-02C05000-G0BK8-00	2X 50	19X1.78	1.0	24.2	0.2	25.2	1.8	29.0	1863	500
76338	7614-02C07000-G0BK8-00	2X 70	19X2.14	1.1	28.2	0.2	29.2	1.9	33.2	2514	500

3 CORE

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thck. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Std. Dly. Length m
76339	7614-03C00150-G0BK8-00	3X 1.5	7X0.53	0.7	8.9	0.2	9.9	1.8	13.7	313	1000
76340	7614-03C00250-G0BK8-00	3X 2.5	7X0.67	0.7	9.8	0.2	10.8	1.8	14.6	370	1000
76341	7614-03C00400-G0BK8-00	3X 4	7X0.85	0.7	11.0	0.2	12.0	1.8	15.8	452	1000
76342	7614-03C00600-G0BK8-00	3X 6	7X1.04	0.7	12.2	0.2	13.2	1.8	17.0	551	1000
76343	7614-03C01000-G0BK8-00	3X 10	7X1.35	0.7	14.2	0.2	15.2	1.8	19.0	740	1000
76344	7614-03C01600-G0BK8-00	3X 16	7X1.70	0.7	16.5	0.2	17.5	1.8	21.3	994	1000
76345	7614-03C02500-G0BK8-00	3X 25	7X2.14	0.9	20.2	0.2	21.2	1.8	25.0	1423	1000
76346	7614-03C03500-G0BK8-00	3X 35	7X2.52	0.9	22.6	0.2	23.6	1.8	27.4	1809	500
76347	7614-03C05000-G0BK8-00	3X 50	19X1.78	1.0	26.0	0.2	27.0	1.8	30.8	2910	500
76348	7614-03C07000-G0BK8-00	3X 70	19X2.14	1.1	30.7	0.2	31.7	2.0	35.9	3218	500

4 CORE CABLES WITH REDUCED NEUTRAL (3 & 1/2 Core)

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thck. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Std. Dly. Length m
76349	7614-03/5C01000-G0BK8-00	3X 10/6	7X1.35 7X1.04	0.7 0.7	14.8	0.2	15.8	1.8	19.6	774	1000
76350	7614-03/5C01600-G0BK8-00	3X 16/10	7X1.7 7X1.35	0.7 0.7	17.3	0.2	18.3	1.8	22.1	1056	1000
76351	7614-03/5C02500-G0BK8-00	3X 25/16	7X2.14 7X1.7	0.9 0.7	21.1	0.2	22.1	1.8	25.9	1515	500
76352	7614-03/5C03500-G0BK8-00	3X 35/16	7X2.52 7X1.7	0.9 0.7	23.1	0.2	24.1	1.8	27.9	1857	500
76353	7614-03/5C05000-G0BK8-00	3X 50/25	19X1.78 7X2.14	1.0 0.9	27.0	0.2	28.0	1.9	32.0	2449	500
76354	7614-03/5C07000-G0BK8-00	3X 70/35	19X2.14 7X2.52	1.1 0.9	31.7	0.2	32.7	2.0	36.9	3363	500

4 CORE

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thck. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Std. Dly. Length m
76355	7614-04C00150-G0BK8-00	4X 1.5	7X0.53	0.7	9.7	0.2	10.7	1.8	14.5	335	1000
76356	7614-04C00250-G0BK8-00	4X 2.5	7X0.67	0.7	10.7	0.2	11.7	1.8	15.5	400	1000
76357	7614-04C00400-G0BK8-00	4X 4	7X0.85	0.7	12.0	0.2	13.0	1.8	16.8	518	1000
76358	7614-04C00600-G0BK8-00	4X 6	7X1.04	0.7	13.3	0.2	14.3	1.8	18.1	614	1000
76359	7614-04C01000-G0BK8-00	4X 10	7X1.35	0.7	15.6	0.2	16.6	1.8	20.4	848	1000
76360	7614-04C01600-G0BK8-00	4X 16	7X1.70	0.7	18.1	0.2	19.1	1.8	22.9	1158	1000
76361	7614-04C02500-G0BK8-00	4X 25	7X2.14	0.9	22.3	0.2	23.3	1.8	27.1	1671	500
76362	7614-04C03500-G0BK8-00	4X 35	7X2.52	0.9	25.0	0.2	26.0	1.8	29.8	2148	500
76363	7614-04C05000-G0BK8-00	4X 50	19X1.78	1.0	28.7	0.2	29.7	1.9	33.7	2783	500
76364	7614-04C07000-G0BK8-00	4X 70	19X2.14	1.1	33.9	0.2	34.9	2.1	39.3	3883	500



M E S C
SPECIALIZED CABLES

0.6/1 KV XLPE INSULATED STEEL TAPE ARMoured CABLES IEC - 60502-1

MULTI CORE CABLES

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thick. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76365	7614-05C00150-G0BK8-00	5 X 1.5	7X0.53	0.7	10.5	0.2	11.5	1.8	15.3	375	1000
76366	7614-05C00250-G0BK8-00	5 X 2.5	7X0.67	0.7	11.7	0.2	12.7	1.8	16.5	453	1000
76367	7614-05C00400-G0BK8-00	5 X 4	7X0.85	0.7	13.1	0.2	14.1	1.8	17.9	567	1000
76368	7614-06C00150-G0BK8-00	6 X 1.5	7X0.53	0.7	11.7	0.2	12.5	1.8	16.3	418	1000
76369	7614-06C00250-G0BK8-00	6 X 2.5	7X0.67	0.7	12.9	0.2	13.7	1.8	17.5	507	1000
76370	7614-06C00400-G0BK8-00	6 X 4	7X0.85	0.7	14.6	0.2	15.4	1.8	19.2	642	1000
76371	7614-07C00150-G0BK8-00	7 X 1.5	7X0.53	0.7	11.7	0.2	12.5	1.8	16.3	437	1000
76372	7614-07C00250-G0BK8-00	7 X 2.5	7X0.67	0.7	12.9	0.2	13.7	1.8	17.5	535	1000
76373	7614-07C00400-G0BK8-00	7 X 4	7X0.85	0.7	14.6	0.2	15.4	1.8	19.2	684	1000
76374	7614-08C00150-G0BK8-00	8 X 1.5	7X0.53	0.7	13.1	0.2	13.9	1.8	17.7	491	1000
76375	7614-08C00250-G0BK8-00	8 X 2.5	7X0.67	0.7	14.5	0.2	15.3	1.8	19.1	604	1000
76376	7614-08C00400-G0BK8-00	8 X 4	7X0.85	0.7	16.4	0.2	17.2	1.8	21.0	774	1000
76377	7614-09C00150-G0BK8-00	9 X 1.5	7X0.53	0.7	14.1	0.2	14.9	1.8	18.7	537	1000
76378	7614-09C00250-G0BK8-00	9 X 2.5	7X0.67	0.7	15.7	0.2	16.5	1.8	20.3	664	1000
76379	7614-09C00400-G0BK8-00	9 X 4	7X0.85	0.7	17.6	0.2	18.6	1.8	22.4	855	1000
76380	7614-10C00150-G0BK8-00	10 X 1.5	7X0.53	0.7	14.8	0.2	15.6	1.8	19.4	571	1000
76381	7614-10C00250-G0BK8-00	10 X 2.5	7X0.67	0.7	16.4	0.2	17.2	1.8	21.0	708	1000
76382	7614-10C00400-G0BK8-00	10 X 4	7X0.85	0.7	18.6	0.2	19.4	1.8	23.2	916	1000
76383	7614-12C00150-G0BK8-00	12 X 1.5	7X0.53	0.7	15.3	0.2	16.1	1.8	19.9	624	1000
76384	7614-12C00250-G0BK8-00	12 X 2.5	7X0.67	0.7	17.0	0.2	17.8	1.8	21.6	782	1000
76385	7614-12C00400-G0BK8-00	12 X 4	7X0.85	0.7	19.3	0.2	19.4	1.8	23.9	1023	1000
76386	7614-15C00150-G0BK8-00	15 X 1.5	7X0.53	0.7	16.9	0.2	17.7	1.8	21.5	721	1000
76387	7614-15C00250-G0BK8-00	15 X 2.5	7X0.67	0.7	18.9	0.2	19.7	1.8	23.5	914	1000
76388	7614-15C00400-G0BK8-00	15 X 4	7X0.85	0.7	21.4	0.2	22.2	1.8	26.0	1206	500
76389	7614-16C00150-G0BK8-00	16 X 1.5	7X0.53	0.7	16.9	0.2	17.7	1.8	21.5	744	1000
76390	7614-16C00250-G0BK8-00	16 X 2.5	7X0.67	0.7	18.9	0.2	19.7	1.8	23.5	947	1000
76391	7614-16C00400-G0BK8-00	16 X 4	7X0.85	0.7	21.4	0.2	22.2	1.8	26.0	1255	500
76392	7614-19C00150-G0BK8-00	19 X 1.5	7X0.53	0.7	17.9	0.2	18.7	1.8	22.5	826	1000
76393	7614-19C00250-G0BK8-00	19 X 2.5	7X0.67	0.7	20.0	0.2	20.8	1.8	24.6	1060	1000
76394	7614-19C00400-G0BK8-00	19 X 4	7X0.85	0.7	22.7	0.2	23.5	1.8	27.3	1418	500
76395	7614-24C00150-G0BK8-00	24 X 1.5	7X0.53	0.7	20.9	0.2	21.7	1.8	25.5	997	500
76396	7614-24C00250-G0BK8-00	24 X 2.5	7X0.67	0.7	23.5	0.2	24.3	1.8	28.1	1289	500
76397	7614-24C00400-G0BK8-00	24 X 4	7X0.85	0.7	26.7	0.2	27.5	1.9	31.5	1750	500
76398	7614-27C00150-G0BK8-00	27 X 1.5	7X0.53	0.7	21.4	0.2	22.2	1.8	26.0	1068	500
76399	7614-27C00250-G0BK8-00	27 X 2.5	7X0.67	0.7	24.0	0.2	24.8	1.8	28.6	1391	500
76400	7614-27C00400-G0BK8-00	27 X 4	7X0.85	0.7	27.4	0.2	28.2	1.9	32.2	1900	500
76401	7614-30C00150-G0BK8-00	30 X 1.5	7X0.53	0.7	22.2	0.2	23.0	1.8	26.8	1147	500
76402	7614-30C00250-G0BK8-00	30 X 2.5	7X0.67	0.7	24.9	0.2	25.7	1.8	29.5	1500	500
76403	7614-30C00400-G0BK8-00	30 X 4	7X0.85	0.7	28.4	0.2	29.2	1.9	33.2	2057	500
76404	7614-37C00150-G0BK8-00	37 X 1.5	7X0.53	0.7	23.8	0.2	24.8	1.8	28.6	1328	500
76405	7614-37C00250-G0BK8-00	37 X 2.5	7X0.67	0.7	27.0	0.2	27.8	1.9	31.8	1768	500
76406	7614-37C00400-G0BK8-00	37 X 4	7X0.85	0.7	31.2	0.2	32.2	2.0	36.4	2481	500
76407	7614-48C00150-G0BK8-00	48 X 1.5	7X0.53	0.7	27.6	0.2	28.4	1.9	32.4	1643	500
76408	7614-48C00250-G0BK8-00	48 X 2.5	7X0.67	0.7	31.4	0.2	32.2	2.0	36.4	2241	500

0.6 /1.0 KV XLPE INSULATED, LEAD SHEATHED, WIRE ARMoured CABLES

Specification : IEC 60502- 1

	CU/XLPE/LC/SWA/PVC #C x.....MM2 600 /1000 V MESC 2005
--	---

Application : Can be used indoors or outdoors in cable ducts, cable trays, conduits or underground in power and switching stations, local distribution systems, industrial plants and commercial buildings.

Construction

- **Conductor** : Annealed plain copper conductor solid as per class 1 and stranded as per class 2 of IEC-60228.
- **Insulation** : Solid extruded XLPE as per IEC- 60502- 1.
- **Core colours** :
 - : 2 Core : Red & Black
 - : 3 Core : Red, Yellow & Blue
 - : 4 Core : Red, Yellow, Blue & Black
 - : 5 Core & above : Black cores with Number printing.
- **Inner covering** : Extruded PVC compatible with the operating temperature of the conductor.
- **Lead sheath** : Extruded lead sheath over the inner covering as per IEC 605021-.
- **Separation sheath** : Extruded black PVC Type ST2 as per IEC-60502- 1.
- **Outer Sheath** : Extruded PVC Type ST2 as per IEC-60502- 1, passes flame retardance test as per IEC-60332 -1. Also passes flame test as per IEC-60333 Cat C.

Technical Data

- **Conductor resistance** : As per class 1 & 2 of IEC-60228.
- **Working voltage** : 600 / 1000 Volts.
- **Test Voltage** : 3.5 kV. RMS or 8.4 kV. DC for 5 minutes
- **Temperature** : -25°C to +90°C
- **Bending Radius** : 12 X Cable Ø
- **Maximum short circuit temperature** : 250°C (5 Seconds Max.)
- **For current ratings of these cables** : Refer to Technical Section of the catalogue.
- **Embossing legend** : CU/XLPE/LC/SWA/PVC#C x.....MM2 6001000/V MESC 2005 IEC-60502- 1



M E S C
SPECIALIZED CABLES

0.6/1.0 KV XLPE INSULATED, LEAD SHEATHED, WIRE ARMoured CABLES

2 Core Cables

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thck. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Std. Dly. Length m
76409	7614-02C 00150-WLBK8-IO	2X 1.5	7X0.53	0.7	13.3	1.25	15.8	1.8	19.6	1103	1000
76410	7614-02C 00250-WLBK8-IO	2X 2.5	7X0.67	0.7	14.1	1.25	16.6	1.8	20.3	1204	1000
76411	7614-02C 00400-WLBK8-IO	2X 4	7X0.85	0.7	15.2	1.25	17.7	1.8	21.5	1346	1000
76412	7614-02C 00600-WLBK8-IO	2X 6	7X1.04	0.7	16.4	1.25	18.9	1.8	22.6	1493	1000
76413	7614-02C 01000-WLBK8-IO	2X 10	7X1.35	0.7	18.2	1.6	21.4	1.8	25.2	1907	1000
76414	7614-02C 01600-WLBK8-IO	2X 16	7X1.70	0.7	20.3	1.6	23.5	1.8	27.3	2258	500
76415	7614-02C 02500-WLBK8-IO	2X 25	7X2.14	0.9	23.8	1.6	27.0	1.8	30.7	2857	500
76416	7614-02C 03500-WLBK8-IO	2X 35	7X2.52	0.9	26.1	1.6	29.2	1.9	33.2	3331	500
76417	7614-02C 05000-WLBK8-IO	2X 50	19X1.78	1.0	29.3	2.0	33.3	2.0	37.5	4328	500
76418	7614-02C 07000-WLBK8-IO	2X 70	19X2.14	1.1	33.3	2.0	37.5	2.2	42.1	5460	500

3 Core Cables

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thck. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Std. Dly. Length m
76419	7614-03C 00150-WLBK8-IO	3X 1.5	7X0.53	0.7	13.8	1.25	16.3	1.8	20.1	1160	1000
76420	7614-03C 00250-WLBK8-IO	3X 2.5	7X0.67	0.7	14.7	1.25	17.2	1.8	21.0	1284	1000
76421	7614-03C 00400-WLBK8-IO	3X 4	7X0.85	0.7	15.9	1.25	18.4	1.8	22.2	1435	1000
76422	7614-03C 00600-WLBK8-IO	3X 6	7X1.04	0.7	17.1	1.25	19.6	1.8	23.4	1616	1000
76423	7614-03C 01000-WLBK8-IO	3X 10	7X1.35	0.7	19.1	1.6	22.3	1.8	26.1	2088	1000
76424	7614-03C 01600-WLBK8-IO	3X 16	7X1.70	0.7	21.4	1.6	24.6	1.8	28.4	2502	1000
76425	7614-03C 02500-WLBK8-IO	3X 25	7X2.14	0.9	25.1	1.6	28.3	1.9	32.3	3216	500
76426	7614-03C 03500-WLBK8-IO	3X 35	7X2.52	0.9	27.8	1.6	31.0	2.0	35.2	3900	500
76427	7614-03C 05000-WLBK8-IO	3X 50	19X1.78	1.0	31.3	2.0	35.3	2.1	39.7	5070	500
76428	7614-03C 07000-WLBK8-IO	3X 70	19X2.14	1.1	36.2	2.0	40.2	2.2	44.8	6501	500

4 Core Cables With Reduced Neutral (3 1/2 Core)

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Tape Thck. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Std. Dly. Length m
76429	7614-03/5C 01000-WLBK8-IO	3X 10/6	7X1.35 7X1.04	0.7 0.7	19.9	1.6	23.1	1.8	26.9	2230	1000
76430	7614-03/5C 01600-WLBK8-IO	3X 16/10	7X1.7 7X1.35	0.7 0.7	22.4	1.6	25.6	1.8	29.4	2700	1000
76431	7614-03/5C 02500-WLBK8-IO	3X 25/16	7X2.14 7X1.7	0.9 0.7	26.1	1.6	29.3	1.9	33.3	3460	500
76432	7614-03/5C 03500-WLBK8-IO	3X 35/16	7X2.52 7X1.7	0.9 0.7	28.4	1.6	31.6	2.0	35.8	4000	500
76433	7614-03/5C 05000-WLBK8-IO	3X 50/25	19X1.78 7X2.14	1.0 0.9	32.4	0.2	36.4	2.1	40.8	5160	500
76434	7614-03/5C 07000-WLBK8-IO	3X 70/35	19X2.14 7X2.52	1.1 0.9	37.3	0.2	41.3	2.3	46.2	6600	500



0.6/1 KV XLPE INSULATED, LEAD SHEATHED, WIRE ARMoured CABLES

4 CORE CABLES

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76435	7614-04C00150-WLBK8-IO	4X1.5	7X0.53	0.7	14.6	1.25	15.8	1.8	20.9	1249	1000
76436	7614-04C00250-WLBK8-IO	4X2.5	7X0.67	0.7	15.6	1.25	16.6	1.8	21.9	1389	1000
76437	7614-04C00400-WLBK8-IO	4X 4	7X0.85	0.7	16.9	1.25	17.7	1.8	23.2	1573	1000
76438	7614-04C00600-WLBK8-IO	4X 6	7X1.04	0.7	18.2	1.6	18.9	1.8	25.2	1918	1000
76439	7614-04C01000-WLBK8-IO	4X 10	7X1.35	0.7	20.5	1.6	21.4	1.8	27.5	2327	1000
76440	7614-04C01600-WLBK8-IO	4X 16	7X1.70	0.7	23.0	1.6	23.5	1.8	30.0	2813	1000
76441	7614-04C02500-WLBK8-IO	4X 25	7X2.14	0.7	27.4	1.6	27.0	1.9	34.6	3757	500
76442	7614-04C03500-WLBK8-IO	4X 35	7X2.52	0.9	30.1	2.0	29.2	2.1	38.5	4748	500
76443	7614-04C05000-WLBK8-IO	4X 50	19X1.78	1.0	34.0	2.0	33.3	2.2	42.7	5847	500

MULTI CORE CABLES

Order No.	MESC Code	Cores X Size No.XSq.mm	Strandx Dia No.Xmm	Insulation Thickness mm	Inn. Sh. O. D. mm	Armor Wire Dia. mm	Dia.Over Armor mm	Sheath Thickness mm	Approx. O. D. mm	Approx. Weight Kg/Km	Standard Length m
76444	7614-05C00150-WLBK8-IO	5X1.5	7X0.53	0.7	15.5	1.25	18.1	1.8	21.7	1347	1000
76445	7614-05C00250-WLBK8-IO	5X2.5	7X0.67	0.7	16.6	1.25	19.1	1.8	22.9	1505	1000
76446	7614-05C00400-WLBK8-IO	5X4	7X0.85	0.7	18.1	1.6	21.3	1.8	25.0	1862	1000
76447	7614-05C00150-WLBK8-IO	6X1.5	7X0.53	0.7	16.4	1.25	18.9	1.8	22.7	1449	1000
76448	7614-05C00250-WLBK8-IO	6X2.5	7X0.67	0.7	17.7	1.6	20.9	1.8	24.6	1765	1000
76449	7614-05C00400-WLBK8-IO	6X4	7X0.85	0.7	19.3	1.6	22.5	1.8	26.3	2020	1000
76450	7614-05C00150-WLBK8-IO	7X1.5	7X0.53	0.7	16.4	1.25	18.9	1.8	22.7	1468	1000
76451	7614-05C00250-WLBK8-IO	7X2.5	7X0.67	0.7	17.7	1.6	20.9	1.8	24.6	1794	1000
76452	7614-05C00400-WLBK8-IO	7X4	7X0.85	0.7	19.3	1.6	22.5	1.8	26.3	2065	1000
76453	7614-05C00150-WLBK8-IO	8X1.5	7X0.53	0.7	17.8	1.6	21.0	1.8	24.8	1769	1000
76454	7614-05C00250-WLBK8-IO	8X2.5	7X0.67	0.7	19.2	1.6	22.4	1.8	26.2	1980	1000
76455	7614-05C00400-WLBK8-IO	8X4	7X0.85	0.7	21.1	1.6	24.3	1.8	28.1	2300	1000
76456	7614-05C00150-WLBK8-IO	9X1.5	7X0.53	0.7	18.9	1.6	22.1	1.8	25.8	1895	1000
76457	7614-05C00250-WLBK8-IO	9X2.5	7X0.67	0.7	20.5	1.6	23.7	1.8	27.4	2143	1000
76458	7614-05C00400-WLBK8-IO	9X4	7X0.85	0.7	22.5	1.6	25.7	1.8	29.5	2476	1000
76459	7614-05C00150-WLBK8-IO	10X1.5	7X0.53	0.7	19.5	1.6	22.7	1.8	26.5	1972	1000
76460	7614-05C00250-WLBK8-IO	10X2.5	7X0.67	0.7	21.2	1.6	24.4	1.8	28.1	2234	1000
76461	7614-05C00400-WLBK8-IO	10X4	7X0.85	0.7	23.3	1.6	26.5	1.8	30.3	2606	500
76462	7614-05C00150-WLBK8-IO	12X1.5	7X0.53	0.7	20.0	1.6	23.2	1.8	27.7	2063	1000
76463	7614-05C00250-WLBK8-IO	12X2.5	7X0.67	0.7	21.7	1.6	24.9	1.8	28.7	2351	1000
76464	7614-05C00400-WLBK8-IO	12X4	7X0.85	0.7	24.0	1.6	27.2	1.8	31.0	2760	500
76465	7614-05C00150-WLBK8-IO	14X1.5	7X0.53	0.7	20.8	1.6	24.0	1.8	27.7	2170	1000
76466	7614-05C00250-WLBK8-IO	14X2.5	7X0.67	0.7	22.6	1.6	25.8	1.8	29.6	2483	1000
76467	7614-05C00400-WLBK8-IO	14X4	7X0.85	0.7	25.0	1.6	28.2	1.9	32.2	2963	500
76468	7614-05C00150-WLBK8-IO	16X1.5	7X0.53	0.7	21.6	1.6	24.8	1.8	28.6	2304	1000
76469	7614-05C00250-WLBK8-IO	16X2.5	7X0.67	0.7	23.6	1.6	24.8	1.8	30.6	2645	500
76470	7614-05C00400-WLBK8-IO	16X4	7X0.85	0.7	26.2	1.6	26.8	1.9	33.4	3169	500
76471	7614-05C00150-WLBK8-IO	19X1.5	7X0.53	0.7	22.6	1.6	29.4	1.8	29.6	2447	500
76472	7614-05C00250-WLBK8-IO	19X2.5	7X0.67	0.7	24.7	1.6	25.8	1.9	31.9	2859	500
76473	7614-05C00400-WLBK8-IO	19X4	7X0.85	0.7	27.6	1.6	30.8	2.0	35.0	3555	500
76474	7614-05C00150-WLBK8-IO	24X1.5	7X0.53	0.7	25.7	1.6	28.9	1.9	32.9	2869	500
76475	7614-05C00250-WLBK8-IO	24X2.5	7X0.67	0.7	28.4	2	32.4	2.0	36.6	3736	500
76476	7614-05C00400-WLBK8-IO	24X4	7X0.85	0.7	31.8	2	35.8	2.1	40.2	4608	500
76477	7614-05C00150-WLBK8-IO	27X1.5	7X0.53	0.7	26.2	1.6	29.4	1.9	33.3	2950	500
76478	7614-05C00250-WLBK8-IO	27X2.5	7X0.67	0.7	28.9	2	32.9	2	37.1	3867	500
76479	7614-05C00400-WLBK8-IO	27X4	7X0.85	0.7	32.5	2	36.5	2.1	40.9	4821	500
76480	7614-05C00150-WLBK8-IO	30X1.5	7X0.53	0.7	27.1	1.6	30.3	1.9	34.3	3220	500
76481	7614-05C00250-WLBK8-IO	30X2.5	7X0.67	0.7	29.8	2	33.8	2.1	38.2	4091	500
76482	7614-05C00400-WLBK8-IO	30X4	7X0.85	0.7	33.5	2	37.5	2.2	42.1	5082	500
76483	7614-05C00150-WLBK8-IO	37X1.5	7X0.53	0.7	29.0	2	33.0	2.0	37.2	3802	500
76484	7614-05C00250-WLBK8-IO	37X2.5	7X0.67	0.7	32.1	2	36.1	2.1	40.5	4640	500
76485	7614-05C00150-WLBK8-IO	48X1.5	7X0.53	0.7	33.5	2	37.5	2.2	42.1	4668	500