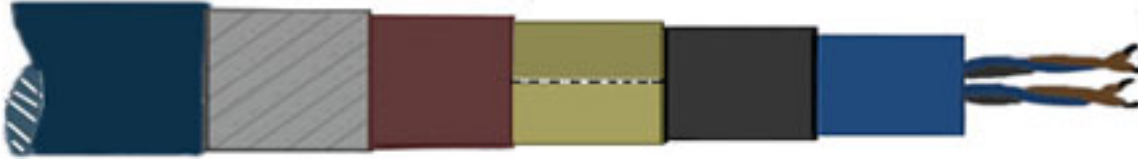


TELEPHONE CABLE UN FILLED UNARMOURED & DST ARMOURED CABLES



Application : Used for primary and secondary underground (Direct Buried) distribution networks.
Specification : Based on IEC-708 -1

CONSTRUCTION

Conductor	Solid annealed plain copper to IEC-28 in 0.4, 0.5, 0.6 & 0.8 mm.
Insulation	Solid Low/Medium/High Density Polyethylene.
Conductor Identification	Insulated conductors shall be fully coded in accordance with Annexure A of IEC-708-1.
Assembly	Two insulated conductors shall be uniformly twisted together to form a pair with staggered twist lengths of max. 200mm. Ten pairs shall be assembled together to form a sub unit and each subunit shall have a coloured binder. Sub units of 10 pairs shall be identified by coloured binder tapes as per Appendix-B of Spec. IEC-708-1 For more than 100 Pair cables the units shall be identified by coloured binder tapes as per Appendix-G of spec. IEC-708-1. Sub units/Units shall be laid up together to form a compact circular cable core along with the required no of spare pairs as per the spec. IEC-708-1. In each layer the marker unit shall be identified by RED coloured bindings, the reference units shall be by GREEN coloured bindings and the other units shall be identified by a contrast binder colour or NATURAL colour.
Spare Pairs.	The spare pairs shall be provided for Cables more than 200 Pairs and the no of spare pairs shall 1 % of the total pair count of the required cable and the colour of the spare pair is Natural & Blue and the same is laid in the 100 Pair unit.
Core Wrapping	A non-hygroscopic and dielectric tape shall be applied longitudinally or helically with an overlap.
Moisture Barrier/Shield	An Aluminium tape (0.15mm) coated on both sides with a copolymer shall be applied longitudinally over the core wrap with an overlap of 6 mm & 20% for smaller diameter cables.
Sheath	The sheath shall be an extruded Black low density polyethylene or medium density polyethylene. The thickness of the sheath and the dia. of the cable shall be as per TABLE - 1. The Minimum sheath thickness shall be 75% of the Nominal and the Average thickness shall be 85% of the Nominal thickness.
DST Armour	In case of armoured cables the cable shall be armoured with two Galvanized Double Steel Tape in such a manner that the second tape applied over the gap left over by the first tape with gap of +/-50 % of the width of the tape. The dimension of the tape shall be 0.2 mm for the Cables whose Dia. Over Sheath is upto 30 mm and for other cables the tape thickness shall be 0.5 mm for the higher pair count cables.
Outer Jacket	The Jacket shall be an extruded Black low density polyethylene or medium density polyethylene. The thickness of the Jacket and the overall diameter of the cable shall be as per the TABLE - 2 . Minimum sheath thickness shall be 75% of the Nominal and the Average thickness shall be 85% of the Nominal thickness.
Sheath Marking	The name of the manufacturer, size of the cond. X No of Pairs, shall be durably marked on the sheath at longitudinal intervals of not more than 1 mtr. Along with the sequential length marking.

NOTE:-

☒ The given picture of the product may differ to its actual in construction/colour.



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Insulation	Solid Low/Medium/High Density Polyethylene.
Conductor Identification	Insulated conductors shall be fully coded in accordance with Annexure A of I EC-708-1.
Assembly	Two insulated conductors shall be uniformly twisted together to form a pair with staggered twist lengths of max. 200mm. Ten pairs shall be assembled together to form a sub unit and each subunit shall have a coloured binder. Sub units of 10 pairs shall be identified by coloured binder tapes as per Appendix-B of Spec. IEC-708-1 For more than 100 Pair cables the units shall be identified by coloured binder tapes as per Appendix-G of spec. IEC-708-1 .Sub units/Units shall be laid up together to form a compact circular cable core along with the required no of spare pairs as per the spec. IEC-708-1. In each layer the marker unit shall be identified by RED coloured bindings, the reference units shall be by GREEN coloured bindings and the other units shall be identified by a contrast binder colour or NATURAL colour.
Core Filling	The water resistant filling compound shall be applied to the air space within the cable core.
Spare Pairs.	The spare pairs shall be provided for Cables more than 200 Pairs and the no of spare pairs shall 1 % of the total pair count of the required cable and the colour of the spare pair is Natural & Blue and the same is laid in the 100 Pair unit.
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