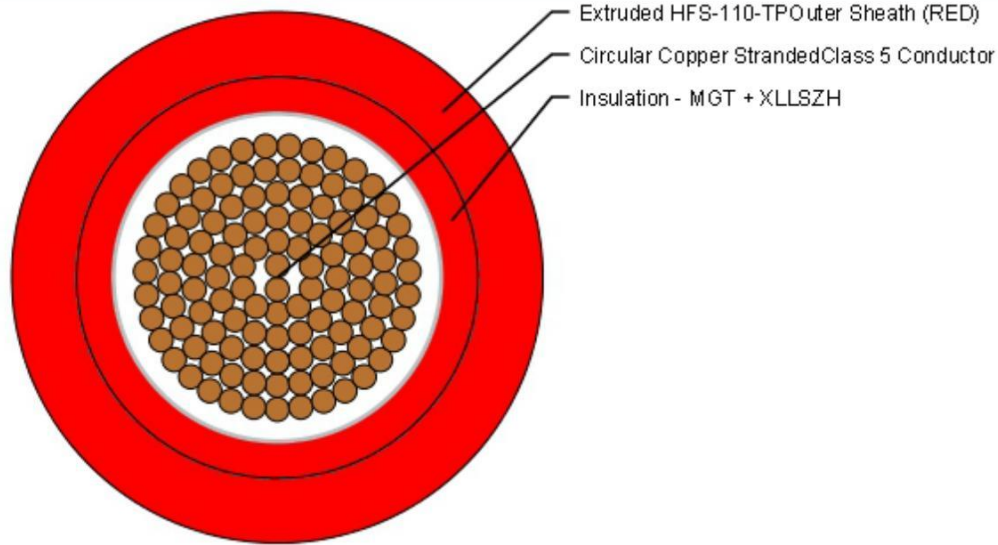


0.6/1kV 1CX35mm² CU C5MG/X-HF-110/HFS-110-TP RD

Ref:3520143_V0_A0



Product Standard	AS/NZS 5000.1
Performance Standard(Flame / Fire - Test)	AS/NZS 3013
Rated Voltage(Uo/U)	0.6/1 kV
1 Circular Stranded Copper Class 5 Conductor	
Number of Core(s)	1 Nos
Nominal cross-sectional area	35 mm ²
Approx. Diameter of Conductor	7.8 mm
2 Insulation - MGT + X-HF-110	
Color(s)	RED
Nominal Thickness	0.9 mm
Approx. Diameter over Insulation	10.9 mm
3 Extruded HFS-110-TP Outer Sheath (RED)	
Nominal Thickness	1.4 mm
Approx. Diameter over outer sheath	14.4 mm
4 Approx. Weight of complete cable	459 kg/km
5 Electrical Parameters	
Max. DC Resistance of Conductor at 20°C	0.554 Ω/km
Approx. AC Resistance of Conductor at 110 °C	0.75 Ω/km
Approx. Capacitance	0.666 μF/km
Approx. Inductance	0.26 mH/km
Approx. Inductive Reactance	0.114 Ω/km
Approx. Impedance	0.75 Ω/km
6 Current Carrying Capacity based on the conditions specified	
Installation Type (Single Circuit)	Trefoil Both ends bonded

0.6/1kV 1CX35mm2 CU C5MG/X-HF-110/HFS-110-TP RD

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Ambient air temperature	30	°C
In air	169	Amps
7 Maximum conductor temperature for continuous operation / Short Circuit Operation	110/250	°C
8 Short Circuit Current carrying capacity, cable loaded as above prior to short circuit		
Conductor	4.62	kA/1 sec
9 Installation Parameters		
Maximum pulling force (For Conductor)	210	kgf
Minimum Bending Radius	115	mm

* Drawing not to Scale

* All dimensions and weight mentioned are approximate

* Refer "[Ducab Drum Handling,Storage and Installation Guide](#)" for more details on drum Handling.

* This TDS is Auto-Generated from Design Data Base,hence no signature is required.