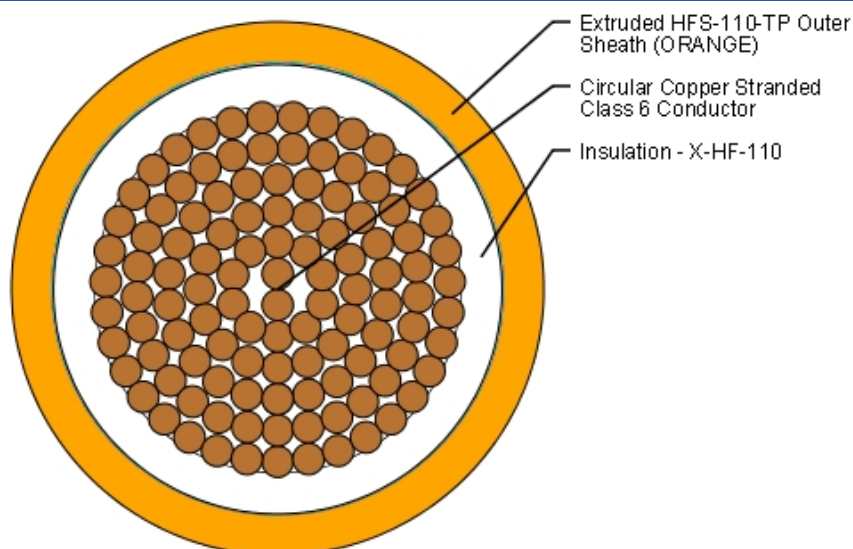


0.6/1kV 1CX70mm² CU6/X-HF/HFS-110-TP-OG

Ref:M009577_V0_A0



Product Standard	AS/NZS 5000.1	
Rated Voltage(Uo/U)	0.6/1	kV
1 Circular Stranded Copper Class 6 Conductor		
Number of Core(s)	1	Nos
Nominal cross-sectional area	70	mm ²
Approx. Diameter of Conductor	11.9	mm
2 Insulation - X-HF-110		
Color(s)	NATURAL	
Nominal Thickness	1.1	mm
Approx. Diameter over Insulation	14.2	mm
3 Extruded HFS-110-TP Outer Sheath (ORANGE)		
Nominal Thickness	1.4	mm
Approx. Diameter over outer sheath	16.8	mm
4 Approx. Weight of complete cable		
	775	kg/km
5 Electrical Parameters		
Max. DC Resistance of Conductor at 20°C	0.272	Ω/km
Approx. AC Resistance of Conductor at 110 °C	0.369	Ω/km
Approx. Capacitance	0.72	μF/km
Approx. Inductance	0.23	mH/km
Approx. Inductive Reactance	0.103	Ω/km
Approx. Impedance	0.369	Ω/km
6 Current Carrying Capacity based on the conditions specified		
Installation Type (Single Circuit)	Trefoil Both ends bonded	
Soil thermal Resistivity	1.2	°C.m/W
Ground temperature	15	°C
Ambient air temperature	30	°C

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Burial depth	500	mm
Laid in ground	290	Amps
Laid in Duct	280	Amps
In air	214	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	9.23	kA/1 sec
9 Installation Parameters		
Maximum pulling force (For Conductor)	420	kgf
Minimum Bending Radius	134	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.