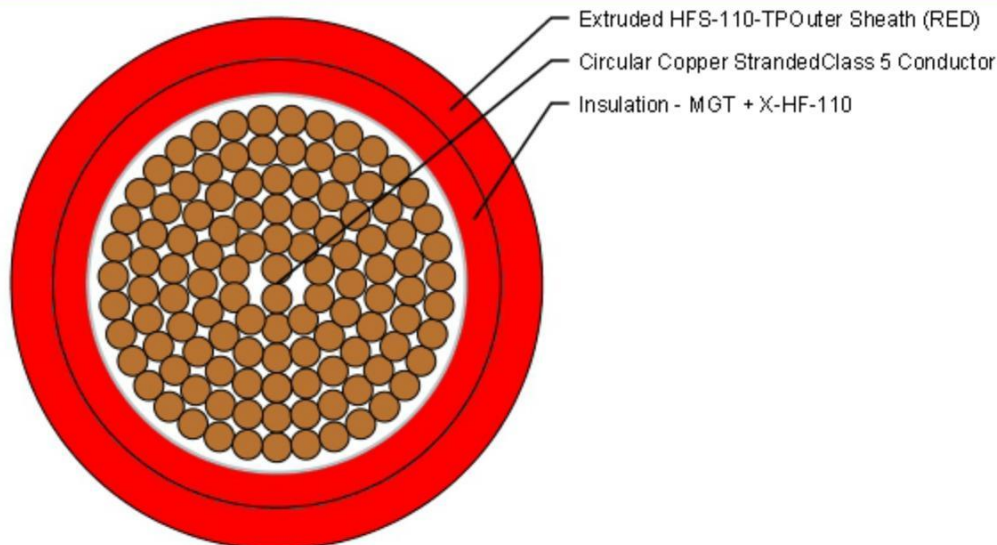


0.6/1kV 1CX185mm<sup>2</sup> CU C5MG/X-HF-110/HFS-110-TP RD

Ref:3518871\_V0\_A0



Product Standard	AS/NZS 5000.1
Performance Standard(Flame / Fire - Test)	AS/NZS 3013
Rated Voltage(Uo/U)	0.6/1 kV
<b>1</b> Circular Stranded Copper Class 5 Conductor	
Number of Core(s)	1 Nos
Nominal cross-sectional area	185 mm <sup>2</sup>
Approx. Diameter of Conductor	17.6 mm
<b>2</b> Insulation - MGT + X-HF-110	
Color(s)	RED
Nominal Thickness	1.6 mm
Approx. Diameter over Insulation	22.1 mm
<b>3</b> Extruded HFS-110-TP Outer Sheath (RED)	
Nominal Thickness	1.7 mm
Approx. Diameter over outer sheath	26.2 mm
<b>4</b> Approx. Weight of complete cable	2033 kg/km
<b>5</b> Electrical Parameters	
Max. DC Resistance of Conductor at 20°C	0.106 Ω/km
Approx. AC Resistance of Conductor at 110 °C	0.146 Ω/km
Approx. Capacitance	0.789 μF/km
Approx. Inductance	0.24 mH/km
Approx. Inductive Reactance	0.096 Ω/km
Approx. Impedance	0.16 Ω/km
<b>6</b> Current Carrying Capacity based on the conditions specified	
Installation Type (Single Circuit)	Trefoil Both ends bonded

0.6/1kV 1CX185mm<sup>2</sup> CU C5MG/X-HF-110/HFS-110-TP RD

Ref:3518871\_V0\_A0

Ambient air temperature	30	°C
In air	510	Amps
<b>7</b> Maximum conductor temperature for continuous operation / Short Circuit Operation	110/250	°C
<b>8</b> Short Circuit Current carrying capacity, cable loaded as above prior to short circuit		
Conductor	24.4	kA/1 sec
<b>9</b> Installation Parameters		
Maximum pulling force (For Conductor)	1110	kgf
Minimum Bending Radius	210	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.