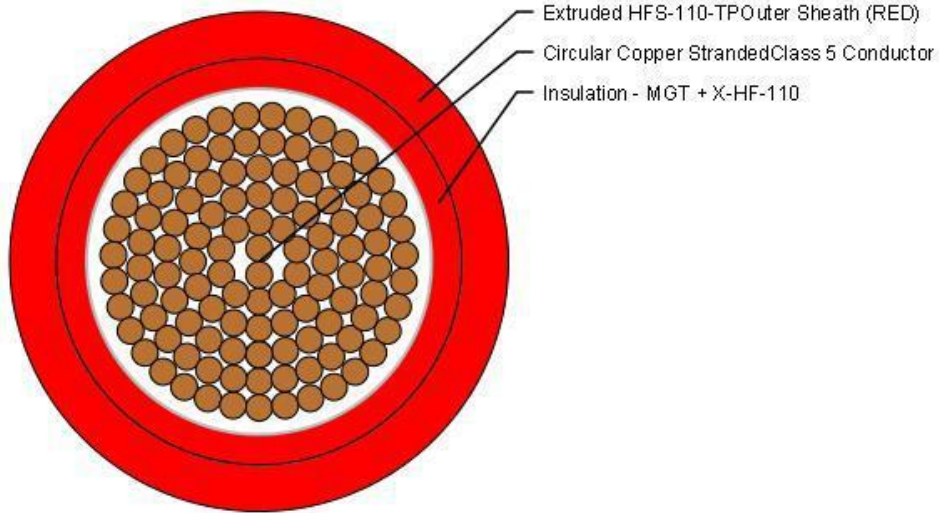


**0.6/1kV 1CX120mm<sup>2</sup> CU C5MG/X-HF-110/HFS-110-TP RD**

Ref:3518430\_V0\_A0



<b>Product Standard</b>	AS/NZS 5000.1	
<b>Performance Standard(Flame / Fire - Test)</b>	AS/NZS 3013	
<b>Rated Voltage(Uo/U)</b>	0.6/1	kV
<b>1 Circular Stranded Copper Class 5 Conductor</b>		
Number of Core(s)	1	Nos
Nominal cross-sectional area	<b>120</b>	mm <sup>2</sup>
Approx. Diameter of Conductor	14.3	mm
<b>2 Insulation - MGT + X-HF-110</b>		
Color(s)	<b>RED</b>	
Nominal Thickness	1.2	mm
Approx. Diameter over Insulation	18	mm
<b>3 Extruded HFS-110-TP Outer Sheath (RED)</b>		
Nominal Thickness	1.52	mm
Approx. Diameter over outer sheath	21.7	mm
<b>4 Approx. Weight of complete cable</b>	1310	kg/km
<b>5 Electrical Parameters</b>		
Max. DC Resistance of Conductor at 20°C	0.161	Ω/km
Approx. AC Resistance of Conductor at 110 °C	0.22	Ω/km
Approx. Capacitance	0.853	μF/km
Approx. Inductance	0.24	mH/km
Approx. Inductive Reactance	0.096	Ω/km
Approx. Impedance	0.22	Ω/km
<b>6 Current Carrying Capacity</b> based on the conditions specified		
Installation Type (Single Circuit)	Trefoil Both ends bonded	
Ambient air temperature	30	°C

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In air	383	Amps
<b>7 Maximum conductor temperature</b> for continuous operation / Short Circuit Operation	110/250	°C
<b>8 Short Circuit Current</b> carrying capacity, cable loaded as above prior to short circuit		
Conductor	15.82	kA/1 sec
<b>9 Installation Parameters</b>		
Maximum pulling force (For Conductor)	720	kgf
Minimum Bending Radius	260	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.