

## CHECK LIST

Customer :- M/s. Megha Engineering &amp; Infrastructures Ltd

Sr. No.	Particulars	Unit's	1C x 240 SQ.MM
1	Nominal Voltage	Volts	2000
2	Standard Reference		IEEE 1580:2010
3	Temperature rating		125 DEG.C
4	<b>Conductor</b>		
i.	Material to IEC:60228		Annealed Tinned Copper, Coating thickness as applicable
ii.	Class of Conductor		Class-5
iii.	Typical No. of wire's/Nom. dia. Of wire's	Typical No's/mm	1210 / 0.5
iv.	Shape of the conductor		Flexible Stranded
v.	Conductor dia. (Max.)	mm	20.2
vi.	Lay direction		top layer should be right hand side
vii.	conductor resistance	ohms/km	Max. 0.0817 (pls maintain in nearby range of 0.0801) <i>pls follow conductor design as per Smt. Mahi</i>
5	<b>Insulation</b>		
i.	Material		Heavy Duty (HD) Irradiated Cross-linked Polyolefin (XLPO)
ii.	Nom. Thickness	mm	2.67, min. at any point is 90% of nom.
iii.	Core dia.	mm	25.5
6	<b>Tape</b>		
i.	Material		Polyester tape, helically or longitudinally
ii.	Overlap	%	Min. 25
iii.	Nom. Thickness	mm	0.025 + 0.025
7	<b>Armour (Braid)</b>		
i.	Material		Tinned Copper Braiding per ASTM B33
ii.	Coverage	%	Min. 88
iii.	Nom. Armour wire Dia	mm	0.3 + 0.01
iv.	Dia. After Braid	mm	27.0
8	<b>Shield</b>		
i.	Material		Aluminium Mylar tape, Aluminium side to be over ATC braid
ii.	Overlap	%	Min. 25
iii.	Nom. Thickness	mm	0.025 + 0.025
iv.	Dia. after Shield tape	mm	27.1
9	<b>Outer Sheath</b>		
i.	Material		Mud & Oil- Resistant, Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)
ii.	Nom. Thickness	mm	2.2, min. at any point is 90% of nom.
10	Nom. Overall diameter	mm	31.5
11	Approx. Weight	kg/km	3025
12	Marking		MFR. IDENTIFICATION, YEAR OF MFG., CIRCUIT CONDUCTOR SIZE, NO. OF CIRCUIT CONDUCTORS, VOLTAGE RATING, TEMPERATURE RATING, INSULATION TYPE/JACKET TYPE, ARMOR TYPE, IEEE STD 1580, SEQUENTIAL LENGTH MARKING at EVERY ONE METER INTERVAL

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Note: This is sytem generated hence no signature is required.