

		<p align="center">ADVANCE CABLE TECHNOLOGIES (P) LTD G-1,SunriseSerenity,No.1,40Ft.Road,M.R.Garden, Gedallahalli, Aswathnagar ,Bangalore -560 094, E-mail: sales@advancecable.in Ph:+91-80-23516733/34, Fax: +91-80-23516732 Technical Data Sheet</p>			
Customer :- M/s ATHER			Ref:ACT/2324/Ather/120/R0/Dt:-21-11-2023		
Manufacturer :- Advance Cable Technologies (P) Ltd., Bangalore					
SI No.	Item	2CX25Sqmm+3CX6Sqmm+5CX0.5Sqmm +1PX0.5Sqmm CANBUS Charging Cable -12Core Cable			
	Reference Specification	IEC-62893-1,IEC-62893-4,ISO-6722			
1	Operating temp.(Max)	120°C (class-C)			
2	Rated Voltage(Uo/U)	1000V(AC)			
I) 2CX25sqmm					
3	Conductor				
a	Material	Annealed Bare Copper			
b	Number of strands/Dia of each Strand(mm)	779/0.20 (To meet Electric Resistance)			
c	Bunched Dia(mm)Approx.	6.70mm			
d	Conductor resistance @ 20deg C (Max)	0.765 Ohm/km			
4	Insulation				
a	Material	Elastomer Halogen free			
b	Thickness (Nom.) (mm)	1.0mm			
c	Colour	Red & Black			
d	Spark test	6KV AC(As per BS EN 62230)			
e	Volume resistivity @ 20°C (Min)	1 x 10 ¹⁴ Ohm/km			
II) 3Core x 6sqmm					
5	Conductor				
a	Material	Annealed Bare Copper			
b	Number of strands/Dia of each Strand(mm)	186/ 0.20			
c	Bunched Dia(mm)Approx.	3.10mm			
d	Conductor resistance @ 20deg C (Max)	3.14 Ohm/km			
6	Insulation				
a	Material	Elastomer Halogen free			
b	Colour	Brown,Blue & Green			
c	Thickness (nom) (mm)	0.80mm			
d	Spark test	6KV AC(As per BS EN 62230)			
III) 5 Core x 0.5sqmm + 1Pair x 0.5sqmm(can bus)					
7	Conductor				
a	Material	Annealed Bare Copper			
b	Cross Sectional Area	20AWG			
c	Number of strands/Dia of each Strand(mm)	16/0.20			
d	Bunched Dia(mm)Approx.	0.90mm			
e	Conductor resistance @ 20deg C (Max)	39.00 Ohm/km			
8	Insulation				
a	Material	Elastomer Halogen free			
b	Colour	1.Grey,2.Light Blue,3.Yellow,4.Pink,5.Violet			
c	Can bus Twisted pair	White+Orange			
d	Twisting Lay (Nom)	30-35mm			
e	Thickness (Nom.) (mm)	0.5mm			
f	Spark test	5KV AC(As per BS EN 62230)			
9	Overall Laid up	Overall Non Woven Tape will be provided			
10	Overall Outer Sheath				
a	Material	FR- Halogen free Elastomer			
b	Thickness (Nom.) (mm)	1.70			
c	Overall dia(mm) (Approx)	23.5±2.50			
d	Colour	Black			
11	HVTest(AC)	3.5kV/1min			
12	Flame Test	Shall pass flammability as per IEC 332 Part-1			
13	Bending Radius	5 x D (Over all Diameter)			
14	Marking on Outer Sheath at Every 500mm	ADVANCE CABLE - 2CX25 Sq mm +3C X 6 Sq mm + 5CX0.5Sqmm+1Pair X 0.5Sqmm CANBUS 600/1000V AC YYYY at every 500mtr			
15	Standard length per drum (Mtrs)	>50metres			
For Advance Cable Technologies [p] Ltd  D. BHAT Dy. Vice President			Note: MM - Month, YYYY - Year, LLLL - Length in Metre		
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