

INSTRUMENT CABLE ( SIGNAL )		
Sr No.	Description	12P X 0.5
2	Type of cable	Individual & Overall Sheilded Signal cable
3	Voltage grade	300/500 V
4	No of Pair X size in Sqmm	12P X 0.5
5	Conductor	
a	Material	Annealed Tinned high Conductivity stranded copper as per class 2
b	Maximum D.C resistance of conductor at 20 Deg C (Ohms/km)	39.20
c	Shape of the conductor	Stranded Circular
6	Insulation	
a	Material	PVC Type A
b	Nominal thickness (mm)	0.6
7	Individual screen	
a	Material	Aluminium mylar tape
c	Material of Drain Wire	Stranded ATC
d	Size of drain wire (Sq.mm)	0.5 Sq.mm (7/0.3)
8	Collective screen	
a	Material	Aluminium mylar tape
c	Material of Drain Wire	Stranded ATC
d	Size of drain wire (Sq.mm)	0.5 Sq.mm (7/0.3)
9	Inner sheath	
a	Material	Extruded PVC Type ST2
b	Min.thickness (mm)	0.30
10	Armouring	
a	Material & Type	G.S.Flat Strip
b	Nominal Size of Armour (mm)	4 X 0.8
11	Outersheath	
a	Material	Extruded FRLS PVC Type ST1
b	Min.thickness (mm)	1.40
12 a)	Maximum conductor tem under normal operating conditions	70°C
b)	Maximum conductor temp at the termination of short circuit	160°C
13	Recommended minimum bending radius in mm	12 times the overall diameter of the cable
14	Max. Tensile strength	
(i)	for Cables pulled with stocking (Kgs.)	$7 \times D^2$ where D is the overall diameter of the cable
ii)	for Cables pulled with pulling eyes (Kgs.).	61
15	Colour of outer sheath.	Black
16	Approx.Overall diameter of the cable (mm)	22.00

Sign