

Datasheet Version 1/2009 J-2Y(ST)Y ST ISDN Cable III Bd

Application: This Integrated Services Digital Network (ISDN) cable is to be used as a termination and connection cable for the transmission of analogue to digital signals up to 16 MHz. It is suitable for ISDN applications in this frequency range such as BTX or fax. Peculiarities of this cable are the cores which are stranded to star quads.



Construction:

- 1 solid bare copper
- 2 core insulation of polyethylene (PE)
- 3 layer of plastic foil
- 4 overall screen of plastic laminated aluminium foil with a tinned drain wire (Ø 0,6mm)
- 5 outer sheath of polyvinylchloride (PVC), grey

Information: Test voltage:
core/core 800 Volt (50Hz/1min.)
core/screen .. 2.000 Volt (50Hz/1min.)

According to: adapted to DIN VDE 0815 and 0816 (core identification)

Technical data:

Peak operating voltage		[V]	300
Temperature range	in motion		-5 °C till +50 °C
Conductor resistance	max.	[Ohm/km]	130,0
Insulation resistance	min.	[GOhm/km]	5
Attenuation	1-100 MHz	[Ohm]±15%	100
Mutal capacitance	nom.	[nF] max	52
Attenuation	1,0 MHz	[dB/100m]	35,0
	4,0 MHz	[dB/100m]	55,0
	10,0 MHz	[dB/100m]	73,0
	16,0 MHz	[dB/100m]	86,0
Cross-talk attenuation	1,0 MHz	[dB]	30,0
	10,0MHz	[dB]	30,0

Number of pairs and nominal conductor diameter mm	Copper figure kg/km	Overall diameter appr.mm	Calorific potential kWh / m	Tractive force N	Weight appr. kg / km
2 x 2 x 0,6	15	5,1	0,19	7	36
4 x 2 x 0,6	26	6,9	0,24	13	59
6 x 2 x 0,6	39	7,3	0,31	18	73
10 x 2 x 0,6	61	8,3	0,37	30	104
20 x 2 x 0,6	121	12,0	0,72	58	188
40 x 2 x 0,6	239	16,2	1,18	115	300
50 x 2 x 0,6	298	15,8	1,48	140	415