

Telecommunication cable

AJ-Y(St)YDY Bd



Application: For signal transmission in telecommunication systems or measurement, control and data systems where interference or disruption from high-voltage systems is to be expected. For permanent installation indoors and outdoors as well as in the ground. The instructions in VDE 0891 T. 6 and VDE 0845 T. 1 must be complied with.

Construction and technical data:

- cores twisted in pairs, pairs stranded in layers
- separator foil
- drain wire 0.8 mm, tinned
- static screen (Al-foil)
- inner sheath
- copper wire screen (16 qmm)
- separator foil- PVC-Sheath

Standard:	VDE 0815 (with reference to)
Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	PVC
Stranding unit:	Pair
Stranding:	Bundle
Material inner sheath:	PVC
Screen:	copper wires
Screen over strand:	plastic coated Al-foil + solid copper drain wire, tinned
Sheathing material:	PVC
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
For outdoor use:	yes
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Permitted outer cable temperature, moved, °C:	-5 - +50 °C
Bending radius, fixed installation:	15 x Ø
Insulation resistance:	100 MOhm \times km



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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Loop resistance:	73.2 Ohm/km
Maximum operating capacity:	100 nF/km
Core identification:	colours acc. to VDE 0815
Attenuation at 800 Hz:	1.1

part no.	part name	Ø [mm]	Cu	G [kg]
110454	02X2X0.8 3.5 Cu Bd Si	11.7	60	175
110514	04X2X0.8 3.5 Cu Bd Si	13.6	81	144
110515	08X2X0.8 3.5 Cu Bd Si	16.5	121	215
110516	12X2X0.8 3.5 Cu Bd Si	17.1	162	288
110517	16X2X0.8 3.5 Cu Bd Si	18.1	203	361
110455	20X2X0.8 3.5 Cu Bd Si	19.1	280	510
110198	02X2X0.8 16 Cu Bd Si	12.5	193	300
110163	04X2X0.8 16 Cu Bd Si	15.1	213	350
110200	08X2X0.8 16 Cu Bd Si	17.5	253	440
110165	12X2X0.8 16 Cu Bd Si	19.5	294	495
110201	20X2X0.8 16 Cu Bd Si	22.5	374	630
110595	32X2X0.8 16 Cu Bd Si	26.8	495	900
110214	40X2X0.8 16 Cu Bd Si	28.5	575	1020
110285	48X2X0.8 16 Cu Bd Si	30.2	661	1190

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000