

Telecommunication cables AJ-Y(St)YDY Bd acc. to VDE 0816



conductor material:	bare copper
conductor construction:	solid
insulation:	PVC T11
stranding unit:	pair
stranding:	bunches
inner sheath:	PVC
screen:	{Cu-Umspinnung}
screen over strand:	Plastic coated Al-foil + solid copper drain wire, tinned
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	- 5 - +50 °C
bending radius, fixed installation:	10 x DA
insulation resistance:	100 MOhm _x km

sheathing material:	<i>AJ-Y(St)YDY Bd</i> PVC	<i>AJ-Y(St)YDY Bd FR</i> FRNC-compound HM1
attenuation at 800 Hz:	1,1 dB/km	1,1 dB/km
operating capacity:	100 nF/km	100 nF/km
test voltage:	500 V	500 V

Construction:

- 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

Application: Subscriber line cable in local distribution networks for short and medium distances, interconnection of distribution points etc., if special requirements to EMC are applicable. Suitable for direct burial in earth (the jelly-filling is protected against intruding water), as well as in cable ducts and tubes. The FR-version is flame retardant acc. to VDE 0482-266-2-4/IEC 60332-3-24.



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.

table: technical data AJ-Y(St)YDY Bd

Art.-Nr.	part-name	DA [mm]	CU	G [kg/km]
110198	AJ-Y(St)YDY 02X2X0,8 16 Cu Bd Si SW	12,5	193	325
110163	AJ-Y(St)YDY 04X2X0,8 16 Cu Bd Si SW	15,1	213	375
110200	AJ-Y(St)YDY 08X2X0,8 16 Cu Bd Si SW	17,5	253	480
110165	AJ-Y(St)YDY 12X2X0,8 16 Cu Bd Si SW	19,5	294	327
110201	AJ-Y(St)YDY 20X2X0,8 16 Cu Bd Si SW	22,5	374	730
110214	AJ-Y(St)YDY 40X2X0,8 16 Cu Bd Si SW	28,5	575	1100
110285	AJ-Y(St)YDY 48X2X0,8 16 Cu Bd Si SW	30,2	661	1215
110202	AJ-Y(St)YDY 100X2X0,8 16 Cu Bd Si SW	40,3	1265	1890

2

table: technical data AJ-Y(St)YDY Bd FR

Art.-Nr.	part-name	DA [mm]	CU	G [kg/km]
110430	AJ-Y(St)YDY...FR 02X2X0,8 16 Cu Bd Si SW	12,5	193	325
110451	AJ-Y(St)YDY...FR 02X2X0,8 3,5 Cu Bd Si SW	11,4	60	285
110431	AJ-Y(St)YDY...FR 04X2X0,8 16 Cu Bd Si SW	15,1	213	375
110432	AJ-Y(St)YDY...FR 08X2X0,8 16 Cu Bd Si SW	17,5	253	480
110433	AJ-Y(St)YDY...FR 12X2X0,8 16 Cu Bd Si SW	19,5	294	327
110434	AJ-Y(St)YDY...FR 20X2X0,8 16 Cu Bd Si SW	22,5	374	730

2