

# Telecommunication cables AJ-Y(St)YDY Bd Si 16 Cu



<b>conductor material:</b>	bare copper
<b>insulation:</b>	PVC T11
<b>stranding unit:</b>	pair
<b>stranding:</b>	bunches
<b>drain wire:</b>	yes
<b>screen over strand:</b>	yes
<b>inner sheath:</b>	PVC
<b>sheathing material:</b>	PVC TM1
<b>bending radius, fixed installation:</b>	10 x DA
<b>insulation resistance:</b>	100 MOhm $\times$ km
<b>max. operating temperature, moved:</b>	- 5 - +50 °C
<b>max. operating temperature, fixed:</b>	-30 - +70 °C

<b>attenuation at 800 Hz:</b>	1,1 dB/km
<b>operating capacity:</b>	100 nF/km
<b>test voltage:</b>	500 V

#### Construction:

- 4 cores twisted into star quads
- 5 star quads stranded into basic unit
- 5 or 10 basic units each stranded into one main unit
- petrol jelly filling
- core covering
- laminated sheath = aluminium tape 0,2 mm on both sides polymer laminated and welded with a PE Sheath
- screen
- plastic 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 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 Si 16 Cu

Art.-Nr.	part name	DA [mm]	CU	G [kg/km]
110198	AJ-Y(St)YDY02X2X0,8 16 CuSt III Bd Si SW	12,5	193	325
110163	AJ-Y(St)YDY04X2X0,8 16 CuSt III Bd Si SW	15,1	213	375
110200	AJ-Y(St)YDY08X2X0,8 16 CuSt III Bd Si SW	17,5	253	480
110165	AJ-Y(St)YDY12X2X0,8 16 CuSt III Bd Si SW	19,5	294	327
110201	AJ-Y(St)YDY20X2X0,8 16 CuSt III Bd Si SW	22,5	374	730
110214	AJ-Y(St)YDY40X2X0,8 16 CuSt III Bd Si SW	29,1	575	1100
110285	AJ-Y(St)YDY48X2X0,8 16 CuSt III Bd Si SW		661	1215
110202	AJ-Y(St)YDY100X2X0,8 16 CuSt III Bd Si SW		1265	1890