

AJ-2Y(L)2YDB2Y

1/1

Reference standard :

DB AG 416.0115 (DLK.1.013.109y)


Construction

1. Solid copper conductor
2. PE insulation
Twisted quads laid up in concentric layers:
 - coding: ring marking acc. to the applicable standard, counter quad is marked with a blue tape
 - two pilot cores 0,5 mm for cables ≤ 7 quads
3. Taped common core covering
4. Tinned copper wire
5. Alu/PE laminated inner sheath
6. Copper wire screen
7. 2 layers of galvanized steel tape
8. PE outer sheath black

Properties

- Halogen free compounds
- Special moisture barrier and transversal liquid tightness
- Excellent mechanical protection (also against rodent attacks)
- Good screening due to Alu-tape
- Protected against inductive influence / optimized reduction factor (RK 400, 500 or 600)
- Service temperature: -40 ... +60 °C
- Laying temperature: -10 ... +60 °C
- Min. bending radius: 7,5 x cable diameter
- Max. pulling force: 50 N/mm² x total cross-section of all copper conductors together

Dimensions

Cross-section	Insulation thickness mm	Conductor resistance Ω/km	Capacitance nF/km	Voltage test kV _{ac} 1 min	Insulation resistance at 20 °C G Ω .km
n x 4 x 0,9 mm/H45	0,450	$\leq 56,6$	≤ 45	2,5	≥ 10
n x 4 x 1,4 mm/H45	0,650	$\leq 23,4$	≤ 45	2,5	≥ 10

(n : 1 - 40)

Also available in halogen free and fire retardant version according to IEC 60332-3 cat. C: AJ-2Y(L)HDBH