



Product description

Application range

- External cables for telecommunication and data processing systems
- Do not install cables that are meant to be placed in ducts or for direct burial in areas exposed to fire hazards

Product Make-up

- Solid bare copper conductor
- Core insulation made of polyethylene (PE)
- 5 star-quads are twisted into each basic unit, which is then twisted together with the main unit to form the cable core
- Paper tape wrapping
- Laminated sheath with aluminium-coated plastic tape, PE outer sheath

Norm references / Approvals

- In accordance with DIN VDE 0816

Product features

- Outer sheath colour: black (RAL 9005)
- UV-resistant and laterally watertight
- Filled version (A-2YF(L)2Y...ST III BD) is additionally longitudinal watertight

Technical Data

Core identification code	According to VDE 0816, refer to Appendix T10
Mutual capacitance	At 800 Hz: max. 52 nF/km
Peak operating voltage	(not for power applications) 225 V
Classification	ETIM 5.0 Class-ID: EC000829 ETIM 5.0 Class-Description: Control cable
Impedance	At 800 Hz 0.6 mm: approx. 720 Ohm At 800 Hz 0.8 mm: approx. 520 Ohm
Coupling	K1: 98 % K9-12: 98 % < 100 pF/300 m
Conductor cross-section in	0.6 mm: 0.28 mm ² 0.8 mm: 0.50 mm ²
Cable attenuation/attenuation	At 800 Hz 0.6 mm: approx. 1.04 dB/km At 800 Hz 0.8 mm: approx. 0.78 dB/km
Minimum bending radius	10 x outer diameter
Test voltage	Core/core: 500 V Core/screen: 2000 V
Loop resistance	0.6 mm: 130 ohm/km 0.8 mm: 73.2 ohm/km
Temperature range	During installation: -20 °C to +50 °C After installation: ? +70 °C