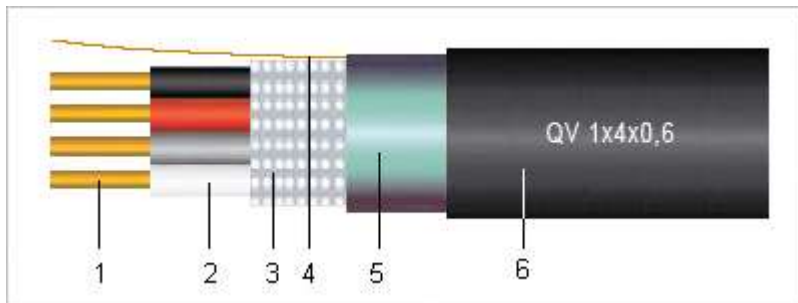


DATASHEET

QV Telecommunication cable for outdoor



Structure

- > 1 Solid bare copper conductor
- > 2 Halogen-free polyolefin (PE) core insulation
Cores twisted in quads, quads twisted in layers (*Twisting direction Z axis*)
- > 3 Water blocking tape wrapping over each quad
- > 4 Solid copper drain wire
- > 5 Polyester plastic-coated aluminium (AL/PET) foil electrostatic screening
- > 6 Halogen-free polyolefin (PE) outer sheath, UV resistant, black colour RAL 9004 with imprint:
"QV ...x4x... Telecommunication Cable, Lot number, Meter number"

Dimensions

Conductor structure nominal	Outer Ø nominal [mm]	Conductor resistance at 20 °C [Ω/100m]	CU weight nominal [kg/km]	Weight approx. [kg/km]
1x4x0,6 mm	6,0	<69,5	13,0	33
3x4x0,6 mm	8,7-9,2	<69,5	36,0	78
5x4x0,6 mm	10,5-10,7	<69,5	59,0	111

Application


Telecommunication cable is preferably used in outdoor telecommunication systems, industrial networks, electronic equipments.

Suitable for use in direct underground applications.

DATASHEET

QV Telecommunication cable for outdoor

Properties

- > Solid bare copper conductors, polyethylene (PE) core insulation with water blocking tape, AL/PET foil screened, UV resistant PE outer sheathed cable.
- > Cable is in accordance with standards:
 - EN 50575:2014 reaction to fire;
 - EN 13501-6 fire classification.
- > The special characteristics of this telecommunication cable are the water blocking tape is an excellent and practical medium for longitudinal water blocking and corrosion protection of the cores as well as the UV resistant polyethylene (PE) outer sheath allows installation this cable into the earth.
- > AL/PET foil electrostatic screening protects the transmission circuits against external electrical interferences. The drain wire is in contact with the inner aluminum surface of the foil.
- > The telecommunication cable is REACH compliant as well as meeting the requirements of other legislation such as the RoHS Directive. The materials used in this cable are cadmium-free and contain no silicone and do not represent health hazards and minimize the environmental impact.
- > The product is conformed with the Low Voltage Directive (LVD) 2014/35/EU of the European Parliament and of the Council ensures that electrical equipment within certain voltage limits provides a high level of protection for European citizens.
- >  Product meets all the legal requirements for CE marking and can be sold throughout the European Economic Area (EEA).

Technical data

Peak working voltage:	300 V
Test voltage:	800 V eff. (Core/core, core/screening, AC 50 Hz)
Temperature range:	Fixed installation -30 °C to +70 °C
Insulation resistance:	Min. 10,000 MΩ x km
Mutual capacitance:	At 800 Hz max. 100 nF / km
Minimum bending radius:	Fixed installation 10 x cable Ø

Packaging

In coil or drum.