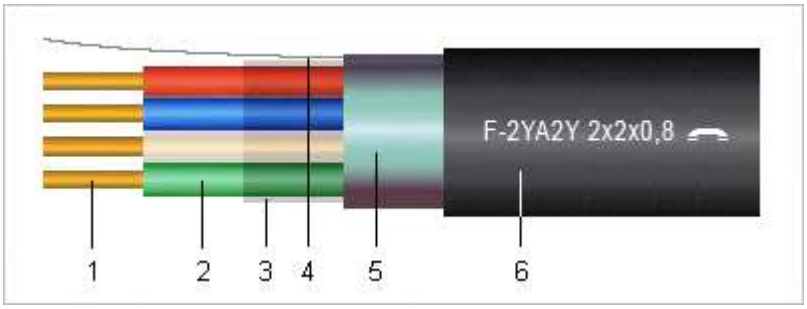
DATASHEET

F-2YA2Y 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	Polyester plastic *(PET)* foil wrapping over the cores
>	4	Tinned 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 RAL9004 with imprint: *"F-2YA2Y ...x2x… 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]*
2x2x0,6 mm	5,7	<69,5	13,0	29
6x2x0,6 mm	8,0	<69,5	36,0	58
10x2x0,6 mm	9,7	<69,5	59,0	92
20x2x0,6 mm	11,7	<69,5	118,0	150
2x2x0,8 mm	6,0	<39,0	21,0	39
6x2x0,8 mm	9,6	<39,0	62,0	82
10x2x0,8 mm	11,0	<39,0	103,0	145
20x2x0,8 mm	14,6	<39,0	203	310

Application

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

Suitable for use in direct underground applications.

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Properties

> Solid bare copper conductors, polyethylene *(PE)* core insulation, 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 characteristic of this telecommunication cable is 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.

> CE 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.

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