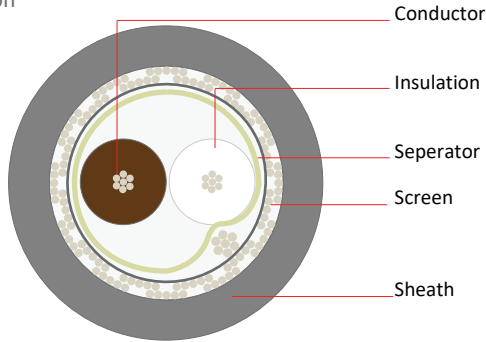


Cable construction



Conductor Tinned copper wires, \varnothing 7x0,20mm

Insulation HDPE, 80°C, EN 50290-2-23

Seperator Pet

Screen Tinned copper drain wires, \varnothing 7x0,20mm
Plastic coated aluminium foil 100% coverage
Braiding of tinned copper wires 65% coverage

Sheath LSZH/LSOH - RAL 7001 Grey, 70°C, EN 50290-2-27

Application

This type of cables are used for data communication in RS 485 communication protokol

Technical information

Temperature range		-20 °C ... +70 °C
Bending radius	min.	12 x D
Inner DC resistance	max.	82,5 Ω /km
Insulation resistance	min.	5000 M Ω x m
Capacitance	nom.	47 \pm 3 pF/m
Characteristic impedance		120 \pm 15 Ω
Propagation delay		66%
Testing voltage		1500 V
Operating voltage	max.	300 V

Fire Performances

Vertical flame propagation	EN 60332-1-2
Corrosive gas	EN 60754-2
Smoke density	EN 61034-2

EU Declaration of Conformity

LVD	Low Voltage Directive 2014/35/EC
RoHS	EC Directive 2011/65/EU

Part no.	Cable construction	Outer dia. approx.[mm]	Cu content [kg/km]	Cable weight [kg/km]	Sheath - Color	Packing [m]
501013	RS485 HF LI2Y(St)CH Tp 1x2x0,22mm2	6,30	13	45	■ Grey (RAL 7001)	500/1000
501014	RS485 HF LI2Y(St)CH Tp 2x2x0,22mm2	7,60	20	59		
501016	RS485 HF LI2Y(St)CH Tp 4x2x0,22mm2	8,60	30	80		