

FieldLink®

02YS(ST)WKY 1X2X0.64/2.55-150 VT FR



Design

Wire:

Bare copper wire

ø 0.65 mm (0,03 in)

Insulation of foamed Polyethylene (PE) with skin

ø 2.55 mm (0,10 in)

Core:

2 wires, RD and GN twisted to a pair with fillers in gaps

Plastic tape, overlapped

Tinned copper drain wire ø 0.65 mm

Alulaminat foil overlapped

Plastic tape, overlapped

ø 6.2 mm (0,244 in)

| Outer conductor: copper-tape (thickness 0.2 mm) longitudinal welded.
Spiral corrugated

Jacket:

Polyvinylchloride (PVC) VT

Wall thickness about 1.0 mm

ø (11.1 ±0.3) mm (0,437 ±0,012 in)

Printing: LEONI L PROFIBUS DP EMC- CABLE www.leoni-special-cables.com

Electrical data at 20°C

Loop-Resistance		≤	110	Ohm/km	
Insulation-Resistance		≥	16000	MOhm*km	
Characteristic Impedance					
	3 - 20	MHz	(150 ± 15)	Ohm	
	31.25 - 38.4	kHz	(185 ± 18.5)	Ohm	
	9.6	kHz	(270 ± 27)	Ohm	
Attenuation					
	16	MHz	≤	42	dB/km
	4	MHz	≤	22	dB/km
	38.4	kHz	≤	4	dB/km
	9.6	kHz	≤	2.5	dB/km
Inductance	31.25	kHz	≈	750	µH/km
Capacitance	1	kHz		28	nF/km
Capacitance unbalance to ground			≤	1500	pF/km
Operating voltage (effective value)			≤	100	V
Test voltage				3600	V DC 3 sec

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...
 Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3)
 Jacket material acc. to DIN EN 50290-2-22 (VDE 0819), compoundtype TM52 (HD 624.2)
 Flame retardant acc. to IEC 60332-1

Other characteristics:

UV resistant

Permissible temperature range : -40 °C (-40 °F) up to 70 °C (158 °F)
 Min. bending radius allowed : repeated 7,5X ø , single 3,75X ø
 PVC weight with Phthalate : 44.6 Kg/km
 PVC weight without Phthalate : 0.0 Kg/km
 | Weight about : 119 Kg/km (79,8 lb/1000ft)

Designation of order:

L45467-G16-C355
 205143
 02YS(ST)WKY 1X2X0.64/2.55-150 VI FR
 1000 m (3281 ft) on non-returnable reel