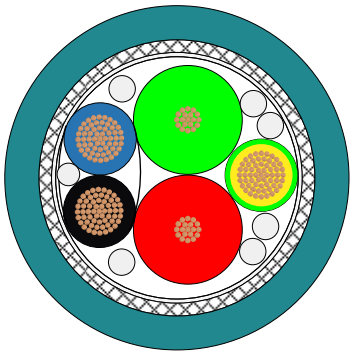
FieldLink®

PROFIBUS DP-ET 200C



Design

a) Wire LIY 0.75/1.7

Stranded bare copper wire 24 X 0.2	ø 1.15 mm
Insulation of Polyvinylchloride (PVC)	ø 1.7 mm
Wall thickness about 0.28 mm	

b) Wire 02YS 0.65/2.56 LI

Stranded bare copper wire 19 X 0.13	ø 0.65 mm
Insulation of foamed Polyethylene (PE)	ø 2.56 mm

c) Pair 02Y 1X2X0.65 LI

2 wires to b) RD and GN twisted to a pair	
Plastic tape, overlapped	ø 5.3 mm

Core:

1 pair to c) RD/GN
3 wires to a) BU, BK and GNYE
Füller: Polyester yarn
Plastic tape, overlapped
Shield braiding of tinned copper wires 0.15 mm dia
Coverage about 85% ø 6.4 mm

Jacket:

Polyvinylchloride (PVC) PETROL
Wall thickness about 0.8 mm ø (8.0 ±0.4) mm

Printing: LEONI L Busleitung fuer ET200c L45551-W59-W15 * AWM STYLE 2464 80°C 300V *
"internal lot number" Textintervals about 600 mm

Electrical data at 20°C

Conductor resistance (wire to a)	≤	26	Ohm/km	
Conductor resistance (wire to b)	≤	84	Ohm/km	
Insulation resistance	≥	20	MOhm*km	
Capacitance (1 KHz)	≈	30	nF/km	1)
Characteristic impedance (3 - 20 MHz)		135 - 165	Ohm	1)
Attenuation (0.2 MHz)	≤	0.6	dB/100m	1)
Operating voltage	≤	300	V	
Test voltage (rms 50Hz 1min)		2000	V	

1) = value for pair to c)

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...
Screen material acc. to DIN EN 13602 Cu-ETP-A...-B
Insulating material acc. to DIN EN 50290-2-21(VDE 0819), compoundtype TI52 (HD 624.1)
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)

UL-Style 2464 (80°C/300V)

Other characteristics:

Permissible temperature range : -30 °C (-22 °F) up to 80 °C (176 °F)
Min. bending radius allowed : repeated 7,5X ø , single 5X ø
PVC weight with Phthalate : 25 Kg/km
PVC weight without Phthalate : 5 Kg/km
Weight about : 90 Kg/km

Designation of order:

L45551-W59-W15
201223
02Y 1X2X0.65/2.56-150-LI
L-Y-J CY 3X1X0.75 PETROL
1000 m on non-returnable reel