



Data Sheet	2170345
UNITRONIC® BUS FD P DeviceNet™ THIN (PUR) UL/CSA (CMX)	Valid from: 08.12.2006



Design

a) Pair 02YS(ST) 1X2X0.67/1.9-120 LI VZN

Wire

Stranded tinned copper wire 19 X 0.13	ø 0.67 mm	(0,026 in)
Insulation of foamed Polyethylene (PE) with foam skin, halogen free	ø 1.9 mm	(0.075 in)
Wall thickness approx. 0.6 mm		

2 wires, WH and BU side by side
Alulamine foil overlapped, applied longitudinally

b) Pair LI2Y(ST) 1X2X0.38/1.4 VZN

Wire

Stranded tinned copper wire 19 X 0.16	ø 0.75 mm	(0.030 in)
Insulation of Polyethylene (PE), halogen free	ø 1.4 mm	(0,055 in)
Wall thickness approx. 0.3 mm		

2 wires, RD and BK side by side
Alulamine foil overlapped, applied longitudinally

Core

Central element: Stranded tinned copper drain wire 0.38 mm² (19x0.16)

1 Pair 02YS(ST) 1X2X0.67/1.9-120 LI VZN

1 Pair LI2Y(ST) 1X2X0.38/1.4 VZN

Plastic tape conductive

Shield braiding of tinned copper wires 0.13 mm diameter

Coverage approx. 80%

Plastic tape, overlapped ø 5.0 mm (0.197 in)

Jacket

Polyurethane (PUR) violet (VT), halogen free

Wall thickness approx. 0.95 mm ø 6.9 ±0.3 mm (0.272 ±0.012 in)

prepared by: PD-KL: Hans Euler	Document: DB2170345EN	Page 1 of 2
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