

OVERALL SCREENED CABLES - LSZH (LOW SMOKE ZERO HALOGEN)

CABLE APPLICATION

Description

Fixed wiring for the interconnection of industrial control equipment. Cable based on BS50288 requirements and any relevant AS/NZS requirements.

CABLE DESIGN

Conductor

Bare Annealed Copper to AS/NZS 1125

Core Colour

Each Pair one White and one Black Conductor all pairs continuously numbered

Insulation

Flame Retardant FR-V90 to UL Style 1596 and AS/NZS 3808

Screen

Overall Screen is of Aluminium/Polyester Tape with a Tinned Copper 7/0.20 Drain Wire



0.5mm²

Part Number	Pairs	Cond. No./Dia. mm	Insulation Thickness mm	Nom. Overall Dia. mm	Conductor resistance @20°CΩ/km	Approx. Mass Kg/100m
INS1P70300/ALLSCRBK	1	7/0.30	0.4	5.0	38.4	2.8
INS2P70300/ALLSCRBK	2	7/0.30	0.4	7.0	38.4	5.1
INS3P70300/ALLSCRBK	3	7/0.30	0.4	7.7	38.4	7.0
INS4P70300/ALLSCRBK	4	7/0.30	0.4	8.4	38.4	8.6
INS6P70300/ALLSCRBK	6	7/0.30	0.4	10.2	38.4	12.4
INS8P70300/ALLSCRBK	8	7/0.30	0.4	11.4	38.4	16.6
INS10P70300/ALLSCRBK	10	7/0.30	0.4	13.5	38.4	21.0
INS12P70300/ALLSCRBK	12	7/0.30	0.4	13.9	38.4	23.9
INS16P70300/ALLSCRBK	16	7/0.30	0.4	15.8	38.4	31.7
INS20P70300/ALLSCRBK	20	7/0.30	0.4	17.4	38.4	39.6
INS24P70300/ALLSCRBK	24	7/0.30	0.4	19.9	38.4	47.7
INS36P70300/ALLSCRBK	36	7/0.30	0.4	22.8	38.4	67.5
INS50P70300/ALLSCRBK	50	7/0.30	0.4	26.0	38.4	93.7

1.5mm²

Part Number	Pairs	Cond. No./Dia. mm	Insulation Thickness mm	Nom. Overall Dia. mm	Conductor resistance @20°CΩ/km	Approx. Mass Kg/100m
INS1P70500/ALLSCRBK	1	7/0.50	0.4	6.1	13.8	5.3
INS2P70500/ALLSCRBK	2	7/0.50	0.4	9.6	13.8	10.3
INS4P70500/ALLSCRBK	4	7/0.50	0.4	11.4	13.8	17.8
INS6P70500/ALLSCRBK	6	7/0.50	0.4	14.0	13.8	26.6
INS8P70500/ALLSCRBK	8	7/0.50	0.4	15.2	13.8	33.5
INS10P70500/ALLSCRBK	10	7/0.50	0.4	18.2	13.8	43.0
INS12P70500/ALLSCRBK	12	7/0.50	0.4	19.0	13.8	50.6
INS16P70500/ALLSCRBK	16	7/0.50	0.4	21.3	13.8	65.8
INS20P70500/ALLSCRBK	20	7/0.50	0.4	23.4	13.8	80.9
INS24P70500/ALLSCRBK	24	7/0.50	0.4	27.0	13.8	97.4
INS36P70500/ALLSCRBK	36	7/0.50	0.4	29.7	13.8	140.3
INS50P70500/ALLSCRBK	50	7/0.50	0.4	34.2	13.8	194.8

Sheath

Black V-90 LSZH (Low Smoke Zero Halogen) to UL Style 2462

Inductance

0.5mm² - 1.10 mH/km@1khz

1.5mm² - 0.95 mH/Km@1khz

Capacitance (Conductor to Conductor)

0.5mm² - 0.145 uf/km@1khz

1.5mm² - 0.20 uf/km@1khz

L/R Ratio

0.5mm² - 0.0157 mH/Ω

1.5mm² - 0.0365 mH/Ω

Flame Retardance

IEC60332-1

Note

1. These cables are not suitable for direct connection to mains supply.
2. Nominal voltage rating - AC/DC 110/150V
3. Not all sizes and colours are available ex-stock, minimum order quantity will apply for some items.
4. Special sheath colours on request.
5. Cables are Green Star / PVC best practice certified.