

OVERALL SCREENED TRIAD 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 Triad one White, one Black and one Red conductor with all triads 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 / Triads	Cond. No./Dia. mm	Insulation Thickness mm	Nom. Overall Dia. mm	Conductor resistance @20°CΩ/km	Approx. Mass Kg/100m
INS170300/ALLSCRBK	1	7/0.30	0.4	5.3	38.4	3.6
INS270300/ALLSCRBK	2	7/0.30	0.4	8.0	38.4	7.0
INS370300/ALLSCRBK	3	7/0.30	0.4	8.5	38.4	9.3
INS470300/ALLSCRBK	4	7/0.30	0.4	9.6	38.4	12.0
INS670300/ALLSCRBK	6	7/0.30	0.4	11.8	38.4	17.9
INS870300/ALLSCRBK	8	7/0.30	0.4	12.9	38.4	22.5
INS1070300/ALLSCRBK	10	7/0.30	0.4	15.1	38.4	29.0
INS1270300/ALLSCRBK	12	7/0.30	0.4	16.0	38.4	34.8
INS1670300/ALLSCRBK	16	7/0.30	0.4	17.7	38.4	44.2
INS2070300/ALLSCRBK	20	7/0.30	0.4	19.5	38.4	54.3
INS2470300/ALLSCRBK	24	7/0.30	0.4	22.3	38.4	65.3
INS3670300/ALLSCRBK	36	7/0.30	0.4	25.6	38.4	93.6

1.5mm²

Part Number	Pairs / Triads	Cond. No./Dia. mm	Insulation Thickness mm	Nom. Overall Dia. mm	Conductor resistance @20°CΩ/km	Approx. Mass Kg/100m
INS170500/ALLSCRBK	1	7/0.50	0.4	6.6	13.8	7.0
INS270500/ALLSCRBK	2	7/0.50	0.4	10.6	13.8	14.2
INS370500/ALLSCRBK	3	7/0.50	0.4	11.5	13.8	19.8
INS470500/ALLSCRBK	4	7/0.50	0.4	12.6	13.8	25.1
INS670500/ALLSCRBK	6	7/0.50	0.4	15.5	13.8	37.3
INS870500/ALLSCRBK	8	7/0.50	0.4	17.1	13.8	49.1
INS1070500/ALLSCRBK	10	7/0.50	0.4	20.3	13.8	62.4
INS1270500/ALLSCRBK	12	7/0.50	0.4	21.2	13.8	72.6
INS1670500/ALLSCRBK	16	7/0.50	0.4	23.6	13.8	94.6
INS2070500/ALLSCRBK	20	7/0.50	0.4	25.6	13.8	115.3
INS2470500/ALLSCRBK	24	7/0.50	0.4	29.1	13.8	137.4
INS3670500/ALLSCRBK	36	7/0.50	0.4	33.8	13.8	201.4

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.