

INDIVIDUALLY & OVERALL SCREENED CABLES - LSZH (Low Smoke Zero Halogen)

CABLE APPLICATION

Description
 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
 Individual Screens of Aluminium/Polyester Tape with a Tinned Copper 7/0.20 Drain Wire
 Overall Screen is of Aluminium/Polyester Tape with a Tinned Copper 7/0.20 Drain Wire
Sheath
 Black V-90 LSZH (low Smoke Zero Halogen) to UL Style 2464 & AS/NZS 3808
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.

0.5mm²

Part Number	Pairs	Cond. No./Dia. mm	Insulation Thickness mm	Nom. Overall Dia. mm	Conductor resistance @20°C Ω/km	Approx. Mass Kg/100m
INS2P7030INDO/ALLSCRBK	2	7/0.30	0.4	7.7	38.4	5.8
INS4P7030INDO/ALLSCRBK	4	7/0.30	0.4	9.2	38.4	10.0
INS6P7030INDO/ALLSCRBK	6	7/0.30	0.4	11.2	38.4	14.5
INS8P7030INDO/ALLSCRBK	8	7/0.30	0.4	12.5	38.4	19.3
INS10P7030INDO/ALLSCRBK	10	7/0.30	0.4	14.8	38.4	24.4
INS12P7030INDO/ALLSCRBK	12	7/0.30	0.4	15.3	38.4	27.9
INS16P7030INDO/ALLSCRBK	16	7/0.30	0.4	17.4	38.4	37.0
INS20P7030INDO/ALLSCRBK	20	7/0.30	0.4	19.2	38.4	46.2
INS24P7030INDO/ALLSCRBK	24	7/0.30	0.4	22.0	38.4	55.8
INS36P7030INDO/ALLSCRBK	36	7/0.30	0.4	25.2	38.4	79.2

1.5mm²

Part Number	Pairs	Cond. No./Dia. mm	Insulation Thickness mm	Nom. Overall Dia. mm	Conductor resistance @20°C Ω/km	Approx. Mass Kg/100m
INS2P7050INDO/ALLSCRBK	2	7/0.50	0.4	10.2	13.8	11.3
INS4P7050INDO/ALLSCRBK	4	7/0.50	0.4	12.3	13.8	19.9
INS6P7050INDO/ALLSCRBK	6	7/0.50	0.4	14.8	13.8	29.0
INS8P7050INDO/ALLSCRBK	8	7/0.50	0.4	16.5	13.8	38.1
INS10P7050INDO/ALLSCRBK	10	7/0.50	0.4	19.3	13.8	47.0
INS12P7050INDO/ALLSCRBK	12	7/0.50	0.4	20.4	13.8	57.0
INS16P7050INDO/ALLSCRBK	16	7/0.50	0.4	22.6	13.8	71.7
INS20P7050INDO/ALLSCRBK	20	7/0.50	0.4	24.7	13.8	88.4
INS24P7050INDO/ALLSCRBK	24	7/0.50	0.4	28.3	13.8	106.4
INS36P7050INDO/ALLSCRBK	36	7/0.50	0.4	32.6	13.8	153.5

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