

KNX MULTI CONDUCTOR - SHIELED - LSZH - SIZE 0.50 MM2



APPLICATION

Suitable for building management systems and KNX applications

CONSTRUCTION

Conductor	Solid plain annealed copper to Class 1 of IEC 60228
Insulation	Solid Polyethylene
Color Code*	1 Pair : Red & Black 2 Pair : Red & Black core (Pair 1) and White & Yellow core (Pair 2)
Pairs	Two insulated conductors are uniformly twisted to form a pair
Cabling	Required numbers of twisted pairs are assembled with non-hygroscopic filler if necessary and the assembly is wrapped with a polyester binder tape.
Collective Shielding	Aluminum backed Mylar tape (25µm) is applied with 100% coverage and an overlap of 25% in contact with a tinned copper
Outer Sheath**	Extruded green Low Smoke Halogen Free thermoplastic material. Ripcord provided under sheath
Marking on the sheath (Example)	MESC KNX CABLE 2 X 2 X 0.5MM2 SHIELED LSZH MESC YEAR MADE IN KSA

TECHNICAL DATA:

Flame Retardant (For finished cable)	IEC 60332-1
Operating Temperature Range	-20°C to +75°C
Voltage Rating	300 Volts
Max. D.C. Resistance of conductor at 20 Deg. C (Ohm/Km)	≤ 36.72 Ω/Km at 20°C
L/R Ratio	≤ 25 µH/Ω
Halogen acid gas (outer sheath)	≤ 0.5 (IEC 60754-1)
Low Smoke Property (Min. Light Transimission)	> 60% (IEC 61034-2)
Voltage Test	2500 VDC for 2 seconds

REFERENCE STANDARDS:

BS EN 60228, IEC 60332-1

CERTIFICATE No:

1P: 736/20384/24

2P: 736/20383/24



DIMENSION AND WEIGHT DETAILS

S. NO.	MESC PART NO.	MESC MODEL NO.	NO OF PAIRS	SIZE (MM2)	STRAND x DIAMETER No. x mm	NOMINAL INSULATION THICKNESS (mm)	MINIMUM INSULATION THICKNESS AT ANY POINT (mm)	NOMINAL OUTER JACKET THICKNESS (mm)	MINIMUM OUTER JACKET THICKNESS (mm)	APPROX. OVERALL DIA. (mm)	APPROX. CABLE WEIGHT (kg./km)
1	H-126105	1262-01P00050-U0GN8-H2	1	0.5	1 x 0.8	0.40	0.36	1.20	1.08	6.2	47
2	H-126205	1262-02P00050-U0GN8-H2	2	0.5	1 x 0.8	0.40	0.36	1.40	1.26	8.7	83

Packaging and Notes:

- Reel of 1000 meters

The following can be offered upon customer request:

- Tinned copper conductors
- Insulation colour
- Outer jacket colour
- Cable marking text

