

2xH / A2xH | 2 Core (Cu or Al/XLPE/LSZH/LSZH)

APPLICATION

These cables offer the advantages of an 2xH(600/1000V) rated, low smoke zero halogen (LSZH) cable with circuit integrity. They are intended for use in installations where vital circuits are required to continue operation in the event of the outbreak of fire. It is particularly suited for use in public buildings and constructions (such as hospitals, theatres, shopping developments, tunnels, mass transit railways, oil & petrochemical plants, power stations and computer installations) where the danger to life, equipment and structures may be greatly increased in the event of a power failure due to fire.

CONSTRUCTION

Conductor: Solid/Stranded Circular/ Compacted, Plain annealed Copper or Aluminium, Class 1 or Class 2 to BDS IEC 60228

Insulation : Cross linked Polyethylene, XLPE to BDS IEC 60502-1

Inner Covering : Low Smoke Zero Halogen (LSZH) , ST8 to BDS IEC 60502-1

Sheath : Low Smoke Zero Halogen (LSZH) , ST8 to BDS IEC 60502-1

PROPERTIES

Low Smoke Zero Halogen

Acid Gas Emission: IEC 60754-1

Smoke Emission: IEC 61034

Flame Propagation : IEC 60332-3-24

VOLTAGE GRADE

Uo/U (Um) : 0.6/1.0 (1.2) kV

Test Voltage: 3.5 kV

OPERATING TEMP.

-20°C to +90°C

Max Short Circuit 250°C

MIN. BENDING RADIUS

Approx. 12x Cable Diameter

STANDARD

BDS IEC 60502-1

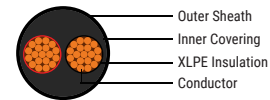
COLOR

Insulated Core: ● Red

● Black

● (Red or other colors available on request)

*REACH | RoHS | CE



CHARACTERISTICS



INSTALLATION CONDITION



CABLE DESIGN PARAMETER

PHYSICAL DATA					ELECTRICAL DATA							
Nominal cross sectional area of conductor	No. of strands & diameter of wire Cu/Al	Nominal thickness of insulation	Nominal thickness of sheath	Approx. Overall diameter	Approx. weight of cable		Max. DC resistance of conductor at 20 °C		Current Carrying Capacity in Ground at 30 °C		Current Carrying Capacity in Air at 35 °C	
					Cu	Al	Cu	Al	Cu	Al	Cu	Al
Core x mm ²	no./mm	mm	mm	mm	kg/km	kg/km	Ω/km	Ω/km	amp	amp	amp	amp
2 x 1.5 re	1/1.38	0.7	1.8	11.2	155	-	12.1	18.1	34	-	27	-
2 x 1.5 rm	7/0.52	0.7	1.8	11.6	162	-	12.1	18.1	34	-	27	-
2 x 2.5 re	1/1.78	0.7	1.8	12.0	185	-	7.41	12.1	44	-	35	-
2 x 2.5 rm	7/0.67	0.7	1.8	12.5	195	-	7.41	12.1	44	-	35	-
2 x 4.0 rm	7/0.85	0.7	1.8	13.6	276	187	4.61	7.41	55	34	45	31
2 x 6.0 rm	7/1.04	0.7	1.8	14.8	349	218	3.08	4.61	74	40	62	40
2 x 10 rm	7/1.35	0.7	1.8	16.6	478	271	1.83	3.08	97	55	84	53
2 x 16 rm	7/1.70	0.7	1.8	18.1	654	341	1.15	1.91	125	73	110	70
2 x 25 rm	7/2.14	0.9	1.8	21.5	996	457	0.727	1.20	150	94	140	96
2 x 35 rmc	19 wire	0.9	1.8	23.7	1274	576	0.524	0.868	180	114	190	117