

9x2xAWG 28 FE2XOH2M-150V LSZH IEC 60332-1	Specification		18R3191
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HALOGEN FREE, LOW SMOKE FLAME RETARDANT DATA CABLE ACCORDING TO IS23 CERN

CONSTRUCTION DETAILS

Conductor : nomin. sect. 0.08 mm², 7x0,127 mm tinned copper
cond. diam. 0.39 mm

Insulation : High density polyethylene LSZH, nominal thickness 0,19 mm
nominal diameter 0.77 mm

Pairs : conductors twisted in pairs
white/blue white/orange white/green
white/brown white/grey red/blue red/orange
red/green red/brown
nominal diameter 1.54 mm

Assembly : pairs twisted together with polyester tape overall
diameter over assembly 4.35 mm

Overall Shield : tinned copper braid wire diam. 0.10 mm coverage > 85%
nominal diameter 4.80 mm

Outer sheath : Thermoplastic LSZH flame retardant compound
colour BLUE RAL 5015
nominal thickness 0,90 mm
nominal diameter 6.6 mm

ELECTRICAL AND PHYSICAL CHARACTERISTICS


Electrical resistance sect. AWG 28 < 222 ohm/km at 20°C
Insulation resistance > 1000 Mohm x km at 20° C
Impedance : 110 OHM +/-10%
Max. working voltage : 150 V

OTHER CHARACTERISTICS

Weight : 67 kg/km
Bending radius static min. : 38 mm
Working temperature range static : from -30 to +70 °C

REFERENCE STANDARDS

IEC 60332-1, CERN IS23(excluding radiation resistance of the outer sheath)

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	U.T.	R.T.	16/12/04