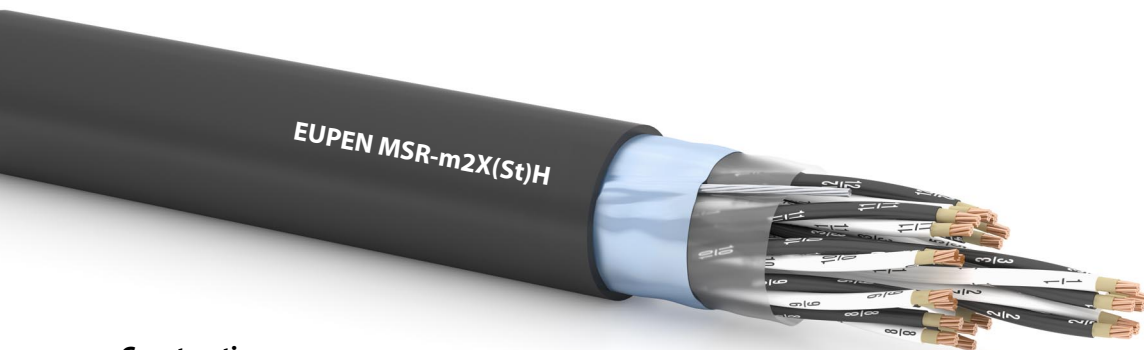


MSR-m2X(St)H

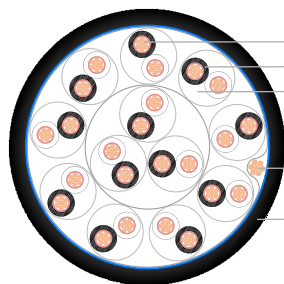
1/1

Reference standard: EN 50288-7

Fire resistant, XLPE insulated, pair twisted, overall screened, unarmoured, halogen free instrumentation cable



Construction



1. Conductor: bare stranded copper
2. Insulation: Mica tape (fire barrier) + cross-linked PE (XLPE)
3. Cabling elements: pairs
 colour identification: BLACK/WHITE, each core numbered
 Cabling elements assembled in concentric layers
4. Overall screening: laminated Alu/PET tape (9 µm Alu/12 µm PET) in contact with a tinned copper drain wire 0,5 mm² (7x0,30 mm)
5. Outer sheath: halogen free, fire-retardant polymer compound
 Outer sheath color: black or blue or according to customer specification
 Outer sheath marking: EUPEN MSR-m2X(St)H 16x2x1,0 mm² 500 V
 + year + meter-marking
 or according to customer specification

Electrical Properties

Voltage rating (V)	500 V					
	0,5	0,75	1,0	1,3	1,5	2,5
Conductor cross-section (mm ²)	≤36,7	≤25,0	≤18,5	≤14,2	≤12,3	≤7,56
Conductor resistance @ 20 °C (Ω/km)	<150	<150	<150	<150	<150	<150
Mutual capacitance (nF/km)	<25	<25	<25	<40	<40	<60
L/R ratio (µH/Ω)						
Test voltage core/core (V _{ac})	2000					
Test voltage core/screen (V _{ac})	2000					
Insulation resistance @ 20 °C (MΩ*km)	>1000					

Laying conditions

Operating temperature	-30 °C to +90 °C
Laying temperature	-5 °C to +50 °C
Min. bending radius	7,5 x outer diameter

Fire behaviour

Fire propagation	IEC 60332-3 Cat. C (Cat. A on request)
Fire resistance	IEC 60331-21
Smoke density	IEC 61034-1+2
Corrosivity of combustion gas	IEC 60754-2
Toxicity of combustion gas	NF X 70-100

Application

Transmission of analog and digital signals for indoor and outdoor (in suitable cable trays) applications where improved fire behaviour is requested.

All information given is indicative only and not binding and can be subject to change without notice.