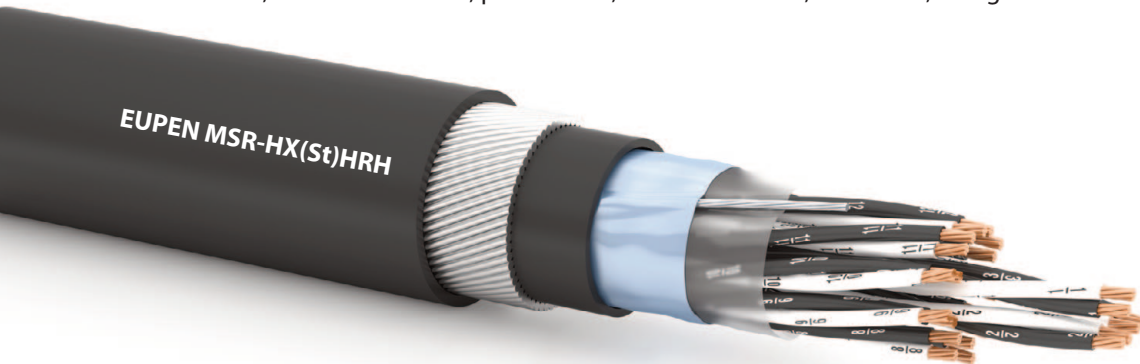


MSR-HX(St)HRH

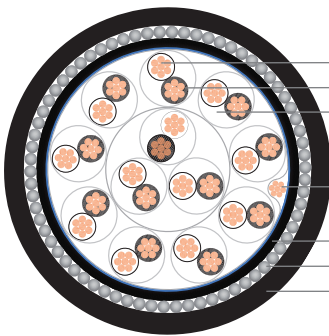
1/1

Reference standard: EN 50288-7

Fire resistant, ceramic insulated, pair twisted, overall screened, armoured, halogen-free instrumentation cable



Construction



1. Conductor: bare stranded copper
2. Insulation: cross-linked halogen-free ceramic forming polymer compound
3. Cabling elements: paires
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. Inner sheath: halogen-free, fire-retardant polymer compound
6. Armoring: one layer of galvanized steel wires
7. Outer sheath: halogen-free, fire-retardant polymer compound
Outer sheath color: black or blue or according to customer specification
Outer sheath marking: EUPEN MSR-HX(St)HRH 12x2x1,0 mm² 300 V
+ year + meter-marking
or according to customer specification

Electrical Properties

	300 V					
Voltage rating (V)						
Conductor cross-section (mm ²)	0,5	0,75	1,0	1,3	1,5	2,5
Conductor resistance @ 20 °C (Ω/km)	≤36,7	≤25,0	≤18,5	≤14,2	≤12,3	≤7,56
Mutual capacitance (nF/km)	<250	<250	<250	<250	<250	<250
L/R ratio (µH/Ω)	<25	<25	<25	<40	<40	<60
Test voltage core/core (V _{ac})	1000					
Test voltage core/screen (V _{ac})	1000					
Insulation resistance @ 20 °C (MΩ*km)	>300					

Laying conditions

Operating temperature	-30 °C to +90 °C
Laying temperature	-5 °C to +50 °C
Min. bending radius	10 x outer diameter

Fire behaviour

Fire propagation	IEC 60332-3 Cat. C (Cat. A on request)
Fire resistance	IEC 60331-21/IEC 60331-1/IEC 60331-2 (EN 50200)
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.
With improved fire behaviour and suitable for strong mechanical requirements.

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