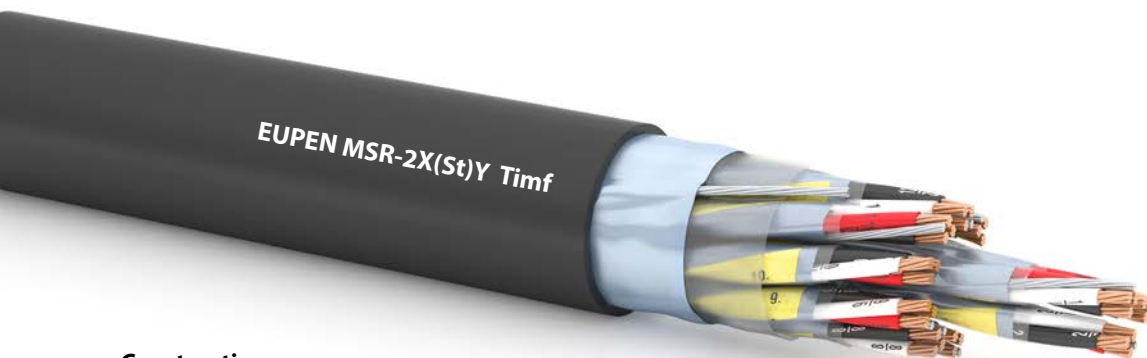


MSR-2X(St)Y Timf

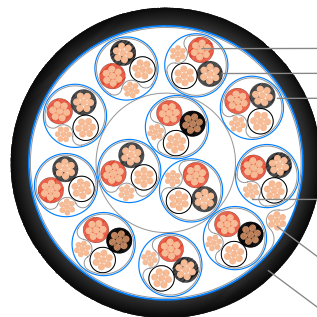
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Reference standard: EN 50288-7

XLPE insulated, triple twisted, individual & overall screened, unarmoured, PVC sheathed instrumentation cable



Construction



1. Conductor: bare stranded copper
2. Insulation: cross-linked PE (XLPE)
3. Cabling elements: triples
 colour identification: - insulation: BLACK/WHITE/RED, each core numbered
 - additional black numbered yellow tape above each individual screened triple
4. Individual 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)
 Cabling elements assembled in concentric layers
5. 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)
6. Outer sheath: flame-retardant PVC
 Outer sheath color: black or blue or according to customer specification
 Outer sheath marking: EUPEN MSR-2X(St)Y Timf 12x3x1,3 mm² 300V
 + year + meter-marking
 or according to customer specification

Electrical Properties

Voltage rating (V)	300 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)	1000					
Test voltage core/core (V _{ac})	1000					
Test voltage core/screen (V _{ac})	1000					
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
Oil resistance	ICEA S-82-552

Fire behaviour

Fire propagation	IEC 60332-1
	IEC 60332-3-22 Cat. A
	IEC 60332-3-24 Cat. C

Application

Transmission of analog and digital signals for indoor and outdoor applications



MSR-2X(St)Y Timf

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Number of triples	Insulation thickness min. mm	Outer sheath thickness nominal mm	Outer diameter approx. mm	Weight approx. kg/km
Cross section 0,5 mm² / 7				
2	0,26	1,0	10,4	114
4	0,26	1,0	12,0	171
8	0,26	1,1	16,1	302
12	0,26	1,2	18,9	433
16	0,26	1,3	21,0	564
24	0,26	1,5	26,2	819
Cross section 0,75 mm² / 7				
2	0,26	1,0	11,2	137
4	0,26	1,1	13,1	218
8	0,26	1,2	17,6	383
12	0,26	1,3	20,7	549
16	0,26	1,4	23,0	715
24	0,26	1,6	28,7	1044
Cross section 1,3 mm² / 7				
2	0,26	1,0	12,9	188
4	0,26	1,1	15,1	308
8	0,26	1,3	20,7	563
12	0,26	1,4	24,2	803
16	0,26	1,5	27,1	1067
24	0,26	1,7	34,0	1553

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