

MSR-2X(St)Yv Timf

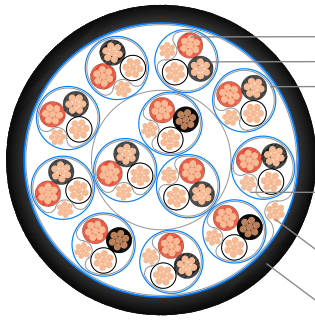
1/2

Reference standard: EN 50288-7

XLPE insulated, triple twisted, individual & overall screened, unarmoured, reinforced 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: reinforced, flame-retardant PVC
 Outer sheath color: black or blue or according to customer specification
 Outer sheath marking: EUPEN MSR-2X(St)Yv Timf 12x3x1,3 mm² 300V
 + year + meter-marking
 or according to customer specification

Electrical Properties

	300 V					
	0,5	0,75	1,0	1,3	1,5	2,5
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)	<150	<150	<150	<150	<150	<150
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)	>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)Yv Timf

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	1,8	12,1	156
4	0,26	1,8	13,7	219
8	0,26	1,8	17,6	358
12	0,26	1,8	20,2	489
16	0,26	1,8	22,0	612
24	0,26	1,8	26,8	855
Cross section 0,75 mm² / 7				
2	0,26	1,8	12,9	182
4	0,26	1,8	14,6	263
8	0,26	1,8	18,9	435
12	0,26	1,8	21,8	601
16	0,26	1,8	23,8	757
24	0,26	1,8	29,1	1070
Cross section 1,3 mm² / 7				
2	0,26	1,8	14,6	238
4	0,26	1,8	16,6	359
8	0,26	1,8	21,8	610
12	0,26	1,8	25,0	842
16	0,26	1,8	27,7	1096
24	0,26	1,8	34,2	1558

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