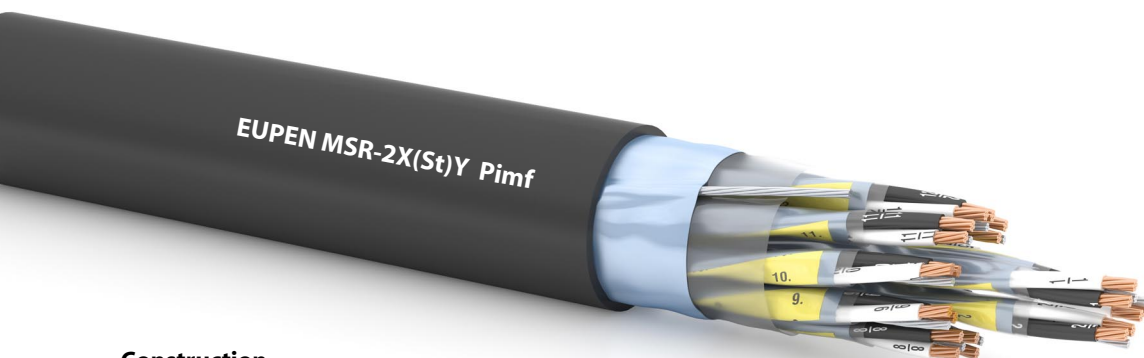


MSR-2X(St)Y Pimf

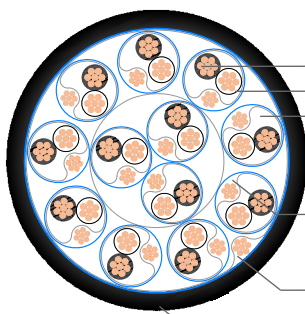
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Reference standard: EN 50288-7

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



Construction



1. Conductor: bare stranded copper
2. Insulation: cross-linked PE (XLPE)
3. Cabling elements: pairs
 colour identification: - insulation: BLACK/WHITE, each core numbered
 - additional black numbered yellow tape above each individual screened pair
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 Pimf 12x2x1,0 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)	>5000					

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 Pimf**

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Number of pairs	Insulation thickness Minimum mm	Nominal Outer sheath thickness mm	Outer diameter approx. mm	Weight approx. kg/km
Cross section 0,5 mm² / 7				
2	0,26	0,9	9,3	90
4	0,26	1,0	10,8	138
8	0,26	1,1	14,4	241
12	0,26	1,2	17,0	342
16	0,26	1,2	18,8	440
24	0,26	1,4	23,2	633
Cross section 0,75 mm² / 7				
2	0,26	1,0	10,2	111
4	0,26	1,0	11,7	168
8	0,26	1,1	15,7	292
12	0,26	1,2	18,5	417
16	0,26	1,3	20,7	551
24	0,26	1,4	25,4	778
Cross section 1,0 mm² / 7				
2	0,26	1,0	10,9	129
4	0,26	1,0	12,5	196
8	0,26	1,2	17,1	353
12	0,26	1,3	20,1	507
16	0,26	1,3	22,1	652
24	0,26	1,5	27,7	947
Cross section 1,3 mm² / 7				
2	0,26	1,0	11,6	150
4	0,26	1,1	13,6	232
8	0,26	1,2	18,3	414
12	0,26	1,3	21,4	586
16	0,26	1,4	24,0	777
24	0,26	1,6	30,0	1131
Cross section 1,5 mm² / 7				
2	0,35	1,0	12,7	169
4	0,35	1,1	14,9	271
8	0,35	1,3	20,4	488
12	0,35	1,4	23,8	692
16	0,35	1,5	26,7	919
24	0,35	1,7	33,4	1332
Cross section 2,5 mm² / 7				
2	0,35	1,1	14,3	237

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