

MSR-2X(St)YKYRY Pimf

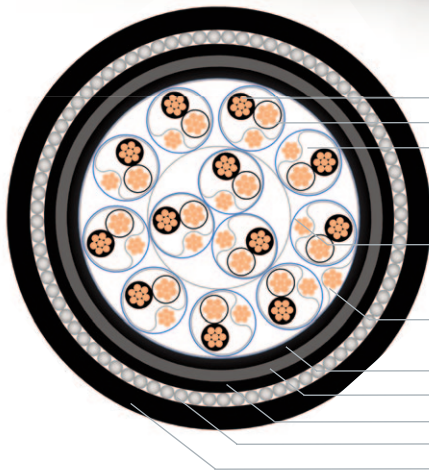
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Reference standard: EN 50288-7

XLPE insulated, pair twisted, individual & overall screened, lead protected and armoured, 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. First inner sheath: flame-retardant PVC
7. Metallic sheath (humidity barrier): lead alloy, type "E"
8. Second inner sheath: flame-retardant PVC
9. Armoring: one layer of galvanized steel wires
10. Outer sheath: flame-retardant PVC
 Outer sheath color: black or blue or according to customer specification
 Outer sheath marking: EUPEN MSR-2X(St)YKYRY Pimf 12x2x1,0 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)	>5000					

Laying conditions

Operating temperature	-30 °C to +90 °C
Laying temperature	-5 °C to +50 °C
Min. bending radius	15 x outer diameter
Oil resistance	ICEA S-82-552

Fire behaviour

Fire propagation	IEC 60332-1 (IEC 60332-3 Cat. A or Cat.C on request)
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Application

Transmission of analog and digital signals for indoor and outdoor applications. Suitable for strong mechanical and chemical requirements, especially in petrochemical environment.

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