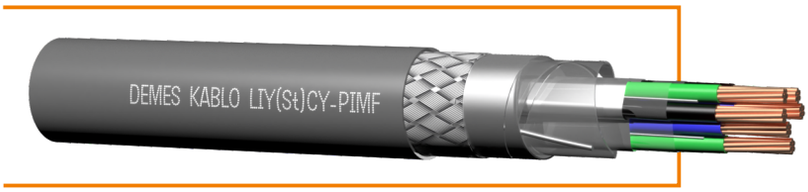

LIY(ST)CY-PIMF

CONSTRUCTION

CONDUCTOR	Fine-Stranded Annealed Copper Conductor (IEC 60228-Class 5)	
INSULATION	LSZH Compound	
INDIVIDUAL SCREEN	PES and ALPES Tape with Tinned Copper Wire (0,50 mm²)	
OVERALL SCREEN	PES and ALPES Tape with Tinned Copper Wire (0,50 mm²)	
BRAID	Tinned Copper Wire Braid	85% Coverage
SHEATH	LSZH Compound	Grey

PHYSICAL&ELECTRICAL CHARACTERISTICS

MAX. CONDUCTOR TEMPERATURE DURING SHORT CIRCUIT	250°C
NOMINAL VOLTAGE	300/500 V
TEST VOLTAGE	2000 V
OPERATING TEMPERATURE	-40°C ... +70°C
MINUMUM BENDING RADIUS	12 X D

FIRE PERFORMANCE CHARACTERISTICS

FLAME RETARDANT	IEC 60332-1
NO FLAME PROPAGATION	IEC 60332-3-24
HALOGEN-FREE	IEC 60754-1, VDE 0482 P267-2-1, DIN EN50267-2-1
NO CORROSIVE GASES	IEC 60754-2, VDE 0482 P267-2-2, DIN EN 50267-2-2
LOW SMOKE EMISSION	IEC 61034-1/-2, VDE 0482 P268-1/-2, DIN EN 50268-1/-2

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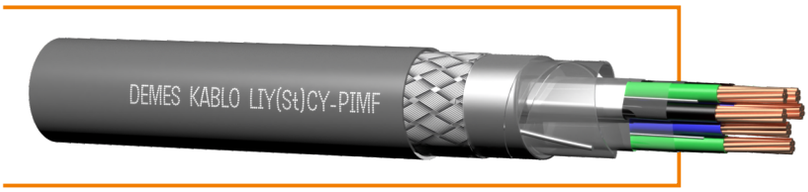

LIY(ST)CY-PIMF

OTHER CHARACTERISTICS

UV RESISTANCE	ISO 4892-2 / ISO 4892-3
WATER RESISTANCE	AD7
OIL RESISTANCE	ASTM NO: 2 (4 hours 70°C)
HYDROCARCON RESISTANCE	NF-M87-202 (Aliphatic Hydrocarbon)

DIMENSIONS

Number of Core and Cross Section Area (mm²)	Approx. Overall Diameter (mm) (±5%)	Approx. Cable Weight (kg/km)	Max. Conductor Resistance DC at 20°C (Ohm/km)
2 x2x 0,5	8,5	93	39
2 x2x 0,75	9,2	109	26
2 x2x 1	10	126	19,5
2 x2x 1,5	11	158	13,3
2 x2x 2,5	13,7	239	7,98
5 x2x 0,5	11,2	193	39
5 x2x 0,75	12,3	232	26
5 x2x 1	13,4	281	19,5
5 x2x 1,5	14,7	343	13,3
5 x2x 2,5	18,2	518	7,98
10 x2x 0,5	16,2	353	39
10 x2x 0,75	17,9	438	26
10 x2x 1	19,3	510	19,5
10 x2x 1,5	21,3	647	13,3
10 x2x 2,5	26,5	977	7,98
20 x2x 0,5	21,3	656	39
20 x2x 0,75	23,5	804	26
20 x2x 1	25,5	946	19,5
20 x2x 1,5	28,1	1195	13,3
20 x2x 2,5	34,9	1816	7,98

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