



NHMH



CONSTRUCTION

CONDUCTOR	Stranded Annealed Copper Conductor (IEC 60228-Class 2)		
INSULATION	XLPE	HD 308 S2	XLPE (IEC 60502-1)
BEDDING	LSZH Compound		
SHEATH	LSZH Compound	Grey	ST8 (IEC 60502-1)

PHYSICAL&ELECTRICAL CHARACTERISTICS

MAX. CONDUCTOR TEMPERATURE DURING SHORT CIRCUIT	160°C
NOMINAL VOLTAGE	300/500 V
TEST VOLTAGE	2000 V
OPERATING TEMPERATURE	-20°C ... +70°C
MINIMUM 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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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 (mm ²)	Approx. Overall Diameter (mm) (±5%)	Approx. Cable Weight (kg/km)	Max. Conductor Resistance DC at 20°C (Ohm/km)
2x1.5 re	9,0	120	12,1
2x2.5 re	10,0	150	7,41
2x4 re	11,0	200	4,61
2x6 re	12,0	250	3,08
2x10 rm	15,0	450	1,83
2x16 rm	17,0	600	1,15
2x25 rm	21,0	875	0,727
2x35 rm	23,0	1150	0,524
3x1.5 re	9,5	135	12,1
3x2.5 re	10,5	190	7,41
3x4 re	11,5	250	4,61
3x6 re	13,0	330	3,08
3x10 rm	16,5	525	1,83
3x16 rm	18,5	770	1,15
3x25 rm	22,0	1100	0,727
3x35 rm	23,0	1450	0,524
4x1.5 re	10,0	160	12,1
4x2.5 re	11,0	210	7,41
4x4 re	13,0	310	4,61
4x6 re	15,0	420	3,08
4x10 rm	18,0	640	1,83
4x16 rm	21,0	925	1,15
4x25 rm	26,0	1400	0,727
4x35 rm	29,0	1850	0,524
5x1.5 re	11,0	190	12,1
5x2.5 re	12,5	260	7,41
5x4 re	14,5	390	4,61
5x6 re	16,0	500	3,08
5x10 rm	20,0	800	1,83
5x16 rm	24,0	1250	1,15
5x25 rm	27,0	1700	0,727
5x35 rm	31,0	2400	0,524