Li2YCY PIMF

dimension	diameter appr. mm	cable weight ca. kg/km	copper index kg/km
7-wired			
2x2x0,22	7,7	75,4	33
3x2x0,22	8,1	86	42
4x2x0,22	8,7	99	50
8x2x0,22	10,9	161,4	85
10x2x0,22	12,0	186,4	100
2x2x0,34	9,0	70	43
3x2x0,34	9,4	85	55
4x2x0,34	9,8	103	64
8x2x0,34	12,9	191	127
10x2x0,34	14,9	230	150
2x2x0,50	9,9	96	51
3x2x0,50	10,4	116	66
4x2x0,50	11,3	141	71
5x2x0,50	11,8	180	92
8x2x0,50	14,5	271	153
10x2x0,50	16,6	327	182
fine-wired			
2x2x1,00	11,7	126	82
3x2x1,00	11,8	156	109
4x2x1,00	12,7	193	133
10x2x1,00	19,7	492	326

APPLICATION

Wiring of data systems and industrial-scale plant regulating transmission of sensitive signals and high bitrates for enhanced requirements on the near-end crosstalk attenuation as well as high electrical interference in the circuits. For measurement readings transmission and serial 2-wire interfaces. Partly applicable for flexible use as well as for fixed installation in dry and moist rooms. 7-wire strand for MAXI-TERMI-POINT® wiring. Low-capacity data cable. Pair screen and copper braid screen.

STANDARDS

flame-resistant acc. to IEC 60332-1-2

CONSTRUCTION

Conductor: copper strand, bare, 7-wired or fine-wired respectively
Core insulation: PE
Core identification: acc. to DIN 47100
Core stranding: cores twinned to pairs,screened pairs twisted to layers
Pair screening: drain wire, plastic-laminated aluminium foil
Lapping: plastic foil
Screen: tinned copper wire braid (visual covering appr. 80%)
Sheath: PVC; colour: grey RAL 7032

ELECTRICAL CHARACTERISTICS

Inductance ca.	0,4 mH/km
Insulation resistance min.	5 GΩ x km
Characteristic impedance ≥1 MHz, ca.	85 Ω
Mutual capacit. (800 Hz) 0,22/0,34 mm²	max. 70 nF/km
Mutual capacitance (800 Hz) 0,50 mm²	max. 75 nF/km
Mutual capacitance (800 Hz) 1,00 mm²	max. 85 nF/km
near-end Crosstalk attenuation ≤ 1 MHz	min. 80 dB
Peak operating voltage	250 V
Test voltage core-core	2000 V
Test voltage core-screen	1000 V

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation	-5°C to +70°C
Temperature range stationary	-30°C to +80°C
Minimum bending radius stationary	10 x diameter