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TELECOMMUNICATION CABLES

A-2Y(L)2Y...St III Bd

Telecommunication underground cable,
screened



TECHNICAL DATA



Standard
DIN VDE 0816



Certificate
VDE



Test Voltage
500 V (Ader/Ader) 2 kV (Ader/Schirm) / 50 Hz



Rated Voltage
225 Veff (Spitzenwert)



Bending radius (min.)
10



Fire properties
CPR-Klassifizierung: Fca



Core identification
DIN VDE 0816



Temperature range
Laying temperature: min. -20°C
Fixed installation: -20°C up to 70°C
Flexible use: -20°C up to 50°C

DESIGN



1

Kupferleiter, rund eindrätig (RE)

2

Aderisolation (foam-skin PE), Adern sind zu Sternvierern und diese zu Bündeln verseilt, Verseilband längswasserdicht durch Petrolatfüllung

3

Gemeinsame Aderumhüllung (Papierband)

4

Schirm (copolymer beschichtete Aluminiumfolie, die mit dem PE-Mantel verschweißt ist)

5

Mantel (PE schwarz, UV-beständig)

Electrical Parameters

Conductor diameter	mm	0.6	0.8
Conductor resistance, max. at 20 °C	Ω/km	130	73.2
Insulation resistance, min. at 20 °C	MΩ/km	52	55
Mutual capacitance (approx. value), at 800 Hz	nF/km	400	400

Number of pairs x nominal diameter	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 2 x 0.6	8.0	80	500 T, 1000 T
6 x 2 x 0.6	10.8	124	500 T, 1000 T
10 x 2 x 0.6	12.6	173	500 T, 1000 T
20 x 2 x 0.6	16.3	291	500 T, 1000 T
30 x 2 x 0.6	18.5	406	500 T, 1000 T
40 x 2 x 0.6	20.9	495	500 T, 1000 T
50 x 2 x 0.6	22.5	604	500 T, 1000 T
70 x 2 x 0.6	25.0	787	500 T, 1000 T
100 x 2 x 0.6	30.0	1143	500 T, 1000 T
150 x 2 x 0.6	31.0	1230	500 T, 1000 T
200 x 2 x 0.6	41.5	2193	500 T, 1000 T
2 x 2 x 0.8	9.5	89	500 T, 1000 T
4 x 2 x 0.8	12.0	146	500 T, 1000 T
6 x 2 x 0.8	12.5	171	500 T, 1000 T
10 x 2 x 0.8	15.0	253	500 T, 1000 T
20 x 2 x 0.8	19.5	446	500 T, 1000 T
30 x 2 x 0.8	22.5	615	500 T, 1000 T
40 x 2 x 0.8	25.5	821	500 T, 1000 T
50 x 2 x 0.8	28.0	988	500 T, 1000 T
70 x 2 x 0.8	31.0	1283	500 T, 1000 T
100 x 2 x 0.8	37.0	1843	500 T, 1000 T
150 x 2 x 0.8	47.0	2935	500 T, 1000 T
200 x 2 x 0.8	52.4	3652	500 T, 1000 T

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