

PVC control cable · shielded, without inside jacket

LÜTZE-SILFLEX® N (C) Y



Application

- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As control, measurement and regulation cable for medium operating conditions
- For flexible application without compulsory guide
- Anywhere where electrical interference fields can influence the signal transmission

Properties

- The overall shield of braided copper wires prevents both the interference of signals and measured values as well as the radiation of interfering signals
- PVC Flame-retardant, self-extinguishing
- Widely resistant to oils, greases, acids and bases
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	
U ₀ /U	300/500 V
Test voltage	3000 V
Isolation resistance	min. 20 MΩ × km
Temperature range	
moving	-5 °C to +70 °C
fixed	-25 °C to +70 °C
Minimum bending radius	according to VDE 0298 table 6
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2-1

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special PVC conductor insulation
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors stranded layers
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC TM2 according to HD21.1, matt, adhesion-free surface
- Jacket colour grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.5 mm²				
116191	(2×0,5) OZ	5.6	4.5	2.9
116139	(3×0,5)	6.2	6.3	4.5
116226	(3×0,5) OZ	6.2	6.3	4.5
116140	(4×0,5) OZ	6.6	8.0	4.5
116238	(5×0,5)	7.1	9.6	5.7
116235	(7×0,5)	7.8	13.6	6.9
116236	(7×0,5) OZ	7.8	13.6	6.9
116246	(12×0,5)	10.0	20.0	10.8
116247	(18×0,5)	11.6	27.5	14.4
116248	(25×0,5)	13.7	35.0	21.1
0.75 mm²				
116174	(2×0,75) OZ	6.3	5.5	3.1
116101	(3×0,75) OZ	6.5	7.0	4.6
116102	(4×0,75)	7.1	9.5	5.6
116103	(5×0,75)	7.7	13.0	7.0
116104	(7×0,75)	8.4	16.8	9.8
116105	(12×0,75)	11.0	23.2	14.8
116106	(18×0,75)	12.8	31.5	20.5
116107	(25×0,75)	15.1	43.0	26.0
1.0 mm²				
116110	(3×1,0)	6.9	11.0	7.0
116112	(4×1,0)	7.4	13.0	8.0
116113	(5×1,0)	8.2	15.6	9.5
116114	(7×1,0)	8.9	19.2	12.0
116115	(12×1,0)	11.6	28.5	18.5
116116	(18×1,0)	14.0	39.5	24.5
116117	(25×1,0)	16.0	64.2	33.0
1.5 mm²				
116137	(2×1,5) OZ	7.2	9.7	6.5
116121	(3×1,5)	7.8	12.5	9.0
116122	(3×1,5) OZ	7.8	12.5	9.0
116123	(4×1,5)	8.3	16.5	11.0
116124	(5×1,5)	9.0	19.3	12.5
116125	(7×1,5)	10.0	24.5	15.9
116126	(12×1,5)	13.3	36.5	24.5
116127	(18×1,5)	15.7	55.3	34.5
116128	(25×1,5)	18.0	72.0	46.5
2.5 mm²				
116132	(3×2,5)	9.2	18.8	12.4
116133	(4×2,5)	10.0	23.6	15.0
116162	(4×2,5) OZ	10.0	23.6	15.0
116134	(5×2,5)	11.1	27.0	18.0
116135	(7×2,5)	12.0	34.0	23.5
116136	(12×2,5)	15.8	58.5	56.4
116249	(18×2,5)	18.8	95.5	77.0
116144	(25×2,5)	22.0	131.0	131.0
4 – 35 mm²				
116150	(4×4)	11.8	30.2	22.0
116167	(4×4)	11.8	30.2	22.0
116153	(4×6)	14.2	41.2	30.5
116156	(4×10)	17.2	62.0	51.7
116158	(4×16)	20.2	107.0	75.6
116159	(4×25)	24.9	152.1	114.6
116143	(4×35)	27.8	229.0	154.3

CE These products are in conformity with the EC Low Voltage Directive 73/23/EWG or 93/68/EWG

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