CIVUS

the compressed ultra-thin alternative

The alternative for reducing weight and space of cables

Benefits/Properties

- reduced diameter
- thinner wall thickness
- weight reduction compared to cables with thin wall insulation approx. 11 %
- space reduction compared to cables with thin wall insulation approx. 15 %

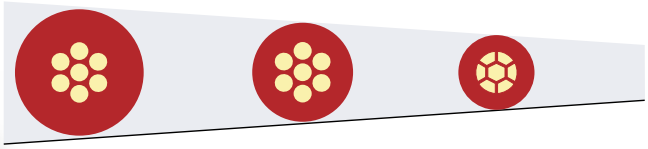
Applications

- replacement of cables with thin-wall insulation (FLRY, AVS, AVSS)*
- replacement of cables with ultra-thin wall halogen free insulation (CHFUS)*

Cables with compressed strands

Size	Strand*	Conductor		Insulation thickness		Cable outer diameter	
		Outer diameter	Max. R [20 °C]	Min.	Nominal	Nominal	Max.
		Nom. [mm]	[mΩ/m]	[mm]	[mm]	[mm]	[mm]
0.13	7/SB	0.45	210	0.16	0.20	0.85	0.95
0.22	7/SB	0.55	84.4	0.16	0.20	0.95	1.05
0.35	7/SB	0.70	54.4	0.16	0.20	1.10	1.20
0.50	7/SB	0.85	37.1	0.16	0.20	1.25	1.40
0.75	11/SB	1.00	24.7	0.16	0.20	1.40	1.60
1.00	16/SB	1.20	18.5	0.16	0.20	1.60	1.75
1.25	16/SB	1.40	14.9	0.16	0.20	1.80	2.00
1.5	16/SB	1.45	12.7	0.16	0.20	1.85	2.10

* SB: Compressed in circular shape



FLRY 0.75 mm²
OD: 1.8 mm (nominal)
Min. wall thickness:
0.24 mm

FLUY 0.75 mm²
OD: 1.55 (nominal)
Min. wall thickness:
0.16 mm

CIVUS 0.75 mm²
OD: 1.45 (nominal)
Min. wall thickness:
0.16 mm

Standards

Insulation in accordance with ISO 6722.

Cables in accordance with customer specifications.

* where the performance of PVC insulation Class B (100 °C) according ISO 6722 is applicable

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