

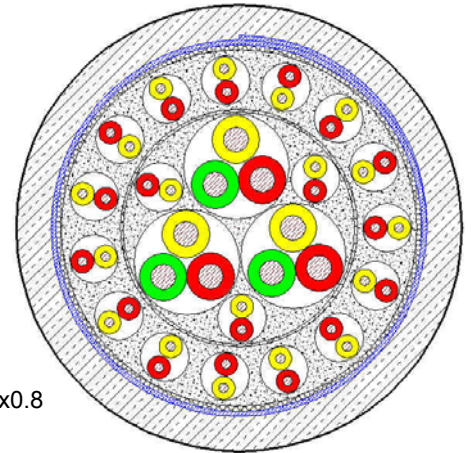


AD-2YF(L)2Y n x 3 x 1.4 + m x 2 x 0.8 mm

Draka – Differential protection cable, filled

Based on DIN VDE 0813 and DIN VDE 0816 part 1

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to technical progress



Principle drawing
AD-2YF(L)2Y 3x3x1.4 + 18x2x0.8

Application

For connection of differential protection devices in power systems, for telecommunication and transmission of signals. Suitable for laying in ground or in ducts.

Construction

AD-2YF(L)2Y	
Conductor	Triples: copper, solid, 1.4 mm, soft annealed Pairs: copper, solid, 0.8 mm, soft annealed
Insulation	PE (2Y)
Twisting	in concentric layers
Filling	of water swellable material (petrol jelly)
Cable core wrapping	water swellable material
Sheath/moisture barrier	laminated sheath formed by an aluminium tape (0.20 mm thick) coated on both sides with copolymer, and bonded with black PE (2Y) outer sheath



AD-2YF(L)2Y n x 3 x 1.4 + m x 2 x 0.8 mm

Mechanical and Thermal Properties

Temperature range	during operation	- 20°C to + 70°C
	during installation	- 20°C to + 60°C
Peel-off strength Al-foil – PE-sheath		0.8 N/mm

Electrical Properties

at 20°C ± 5°C

Conductor diameter	mm	1.4	0.8
Conductor loop resistance	Ω/km	≤ 23.4	≤ 73.2
Insulation resistance	GΩxkm	≥ 5	
Mutual capacitance at 800 Hz	nF/km	-	≤ 60
Test voltage at 50 Hz, 1 min			
core/core	V	2500	500
core/screen	V	8000	2000
triple/triple	V	8000	-
pair/pair	V	-	8000
Drop point of filling compound	°C	≥ 70	

Additional Properties

Dimension	Outer diameter	Cable weight net	Standard supply length	Drum size	Transport weight gross	Copper content	Tensile strength max.	Fireload
n / m	mm	kg	m	KTG	kg	kg/km	N	MJ
AD-2YF(L)2Y n x 3 x 1.4 + m x 2 x 0.8								
1 / 9	18	341	1000	121	485	137	350	9
1 / 24	25	678	1000	161	958	288	820	17
1 / 45	32	1111	1000	201	1661	499	1500	28
3 / 3	19	367	1000	141	542	169	310	9
3 / 18	25	703	1000	161	983	320	790	17
3 / 20	25	724	1000	161	1004	340	850	18
3 / 21	25	734	1000	161	1014	350	870	18
3 / 42	32	1168	1000	201	1718	561	1550	28
3 / 72	39	1764	1000	221	2474	863	2350	42
4 / 18	27	789	1000	161	1069	366	860	19
4 / 19	27	799	1000	161	1079	376	890	19
4 / 44	34	1285	1000	201	1835	628	1650	31
5 / 19	29	907	1000	181	1287	422	650	22
7 / 20	30	1053	1000	181	1433	525	1120	24
7 / 22	30	1074	1000	181	1454	545	1200	24
7 / 33	38	1460	1000	221	2170	656	1500	37
7 / 50	38	1637	1000	221	2347	826	2050	38