



## Description:

Power supply cable with flexible, stranded class 2 aluminium conductor.  
Halogen-free, UV-stabilised, rated for 90°C, fire classification Dca.  
Ripcord for easy stripping of the cable sheath (for 50–300 mm<sup>2</sup>).

## Application:

For fixed installation indoors and outdoors – in dry and humid environments, as well as for direct burial in the ground. Suitable for installation on cable trays, laid in conduits, on walls, etc.  
May be embedded in walls, excluding use in vibrated concrete.  
Current ratings and dimensioning according to HD 60364-5-52.

Conductor	Flexible aluminium, Class 2 (EN IEC 60228)
Insulation	XLPE (not UV-protected)
Conductor marking	Colour code acc. to HD 308
Filler	Halogen-free (cable with round core, 10–50 mm <sup>2</sup> )
Sheath	Light grey. halogen free, UV-resistant
Sheath marking	HFALS Inst. Cable "no. of cores" X/G "cross-section" mm <sup>2</sup> 0,6/1 kV Dca CE DanCables "continuous meter marking" "year/week"
Ripcord for stripping	Under the cable sheath (for cables ≥ 50 mm <sup>2</sup> )
Temperature during installation	Min -5°C
Operating temperature	-25 to +90°C
Conductor temperature	Max. 90°C
Short-circuit temperature	Max. 250°C / 1 sec.
Minimum bending radius	1 core: 12 x cable-diameter 4 and 5 cores: 15 x cable-diameter
Maximum permissible pulling force	Newton (N) = 30 × cross-section × number of cores
Rated voltage AC: U <sub>0</sub> /U(U <sub>m</sub> )	0,6/1(1,2) kV
Rated voltage DC: U <sub>0</sub> (U <sub>0,max.</sub> )/U(U <sub>m</sub> )	0,75(0,9)/1,5(1,8) kV
Test voltage	3,5 kV
CPR fire class	4x50-300: Dca-s1b, d1, a1 5G10-50, 4x10-35, 1x/G 50-300: Dca-s1a, d1, a1
Halogen-free	IEC 60754-1
Smoke density	IEC 61034 -2
Self-extinguishing	EN 60332-1
REACH	Complies with EU regulation (no substances over 0.1% w/w)
RoHS	Complies with the directive
Approval	CE marked according to the Low Voltage Directive
Design	IEC 60502

# HFALS Fixed Installation Cable Dca

ver.: 2025.03



Part No.	Description	Cable Nomine1 Diameter mm.	Cable Weight kg./km.	Drum Diameter mm.	Drum Width mm.	Drum Weight kg.
Class 2 Round Conductor						
52030070	HFALS installation cable Dca 1G50 T2000	13	234	1140	750	60
52030071	HFALS installation cable Dca 1G70 T1500	15	313	1140	750	60
52030075	HFALS installation cable Dca 1G95 T1200	16,6	404	1140	750	50
52030076	HFALS installation cable Dca 1G120 T1000	18,4	493	1140	750	60
52030080	HFALS installation cable Dca 1G150 T1000	20,4	603	1140	1000	100
52030081	HFALS installation cable Dca 1G185 T750	22,6	739	1140	750	60
52030085	HFALS installation cable Dca 1G240 T2500	25,4	949	2100	1000	260
52030090	HFALS installation cable Dca 1G300 T600	27,8	1158	1140	1000	100
Class 2 Round Conductor						
52030020	HFALS installation cable Dca 1G240 T2000	13	234	1140	750	60
52030025	HFALS installation cable Dca 1G240 T1500	15	313	1140	750	60
52030030	HFALS installation cable Dca 1G240 T1200	16,6	404	1140	750	60
52030035	HFALS installation cable Dca 1G240 T1000	18,4	493	1140	750	60
52030040	HFALS installation cable Dca 1G240 T1000	20,4	603	1140	1000	100
52030045	HFALS installation cable Dca 1G240 T750	22,6	739	1140	750	60
52030050	HFALS installation cable Dca 1G240 T2500	25,4	949	2100	1000	260
52030055	HFALS installation cable Dca 1G240 T600	27,8	1158	1140	1000	100
Class 2 Round Conductor						
52030105	HFALS installation cable Dca 4x10 T1500	15,4	279	1140	750	60
52030110	HFALS installation cable Dca 4x16 T1250	18,8	397	1140	1000	100
52030115	HFALS installation cable Dca 4x25 T1000	22,7	576	1140	1000	100
52030120	HFALS installation cable Dca 4x35 T1000	25,1	659	1140	1000	100
Class 2 Sector Shape Conductor						
52030125	HFALS installation cable Dca 4x50 T2250	27,6	855	2150	1000	275
52030130	HFALS installation cable Dca 4x70 T1700	31,3	1171	2150	1000	275
52030135	HFALS installation cable Dca 4x95 T1350	35,6	1527	2150	1000	275
52030140	HFALS installation cable Dca 4x120 T1200	39,3	1901	2150	1100	280
52030145	HFALS installation cable Dca 4x150 T1000	43,6	2323	2150	1150	280
52030150	HFALS installation cable Dca 4x185 T850	48,5	2895	2150	1150	280
52030155	HFALS installation cable Dca 4x240 T600	54,4	3694	2150	1100	280
52030160	HFALS installation cable Dca 4x300 T480	59,9	4532	2150	1150	280
Class 2 Round Conductor						
52030205	HFALS installation cable Dca 5G10 T500	17,9	366	1000	500	35
52030200	HFALS installation cable Dca 5G10 T1500	17,9	366	1140	1000	100
52030210	HFALS installation cable Dca 5G16 T1250	20,6	494	1140	1000	100
52030215	HFALS installation cable Dca 5G25 T800	24,9	724	1140	1000	100
52030220	HFALS installation cable Dca 5G35 T2250	27,6	895	2100	1100	270
52030225	HFALS installation cable Dca 5G50 T2000	31	1156	2150	1150	280