



## Description:

Power supply cable with solid class 1 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	Solid aluminium, Class 1 (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	HFALM 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	16 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	4x50-240: Dca-s1d, d1, a1 5G10-25 and 4x10-25: 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



Part No.	Description	Cable Nominel Diameter mm.	Cable Weight kg./km.	Drum Diameter mm.	Drum Width mm.	Drum Weight kg.
Class 1 solid round conductor						
52040105	HFALM installation cable Dca 4X10 T1500	15,4	279	1140	700	55
52040110	HFALM installation cable Dca 4X16 T1200	17,6	388	1140	750	60
52040115	HFALM installation cable Dca 4X25 T500	21,2	555	1000	700	50
52040116	HFALM installation cable Dca 4X25 T1200	21,2	555	1140	1000	100
Class 1 solid sector shape conductor						
52040125	HFALM installation cable Dca 4X50 T2500	24,3	825	2000	1000	255
52040135	HFALM installation cable Dca 4X95 T1500	31,3	1486	2100	1000	265
52040145	HFALM installation cable Dca 4X150 T1000	31,7	2268	2100	1000	265
52040155	HFALM installation cable Dca 4X240 T600	39,3	3620	2100	1000	265
Class 1 solid round conductor						
52040200	HFALM installation cable Dca 5G10 T500	17,9	343	1000	500	40
52040205	HFALM installation cable Dca 5G10 T2000	17,9	366	1140	1000	100
52040210	HFALM installation cable Dca 5G16 T1000	19,2	469	1140	750	60
52040215	HFALM installation cable Dca 5G25 T900	23,3	684	1140	1000	100