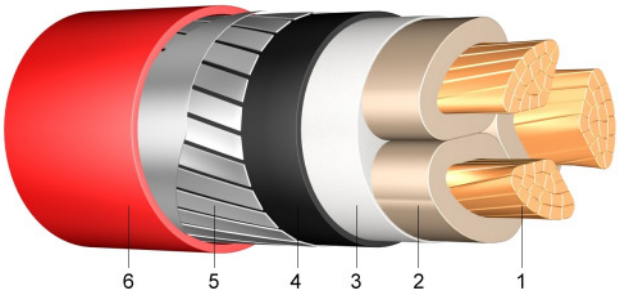
MEINHART

Datasheet Version 1/2009

(N)YFGY Three-Core PVC Insulated Cable with Flat Wire Amour

Application: To be laid directly in ground, in water, outdoors, indoors and in cable ducts if increased mechanical protection is required or if greater tensile stresses are to be expected during installation and operation.



Construction:
1 ..... stranded bare copper
2 ..... core insulation of polyvinylchloride (PVC-DIV4)
3 ..... rubber core covering
4 ..... inner sheath of polyvinylchloride (PVC-DMV5)
5 ..... armour of galvanised flat steel wires and counter helix
6 ..... outer sheath of polyvinylchloride (PVC), red

According to:
DIN VDE 0271
DIN VDE 0276-603
DIN EN 60228 class 2 (construction)

Technical data:

Nominal voltage Uo/U		[V]	3600 / 6000 Volt
Test voltage		$[V]_{AC}$	11000
Temperature range	in motion		- 5°C till +70°C
	fixed		-20°C till +70°C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
Bending radius	in motion	x diameter	15
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm²	Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg / km	Current carrying capacity ground A	Current carrying capacity air A
3 x 50 SM	1.500	41	3.520	175	165
3 x 70 SM	2.100	44	4.345	220	205
3 x 95 SM	2.850	47	5.330	260	250
3 x 120 SM	3.600	49	6.220	295	285
3 x 150 SM	4.500	52	7.120	335	325
3 x 185 SM	5.550	57	8.625	370	380
3 x 240 SM	7.200	59	9.885	425	430

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The above values correspond to the manufacturer´s specifications and are not guaranteed..