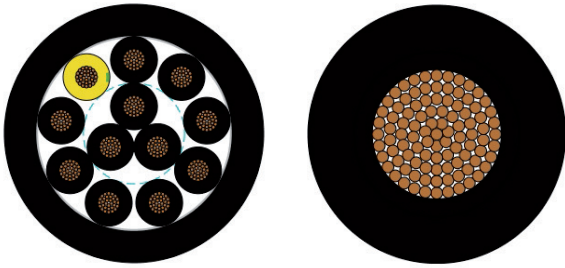


# POWER 1000-YFR

XLPE core insulation / 90°C, flame-retardant / cat. B, direct burial



## TECHNICAL DATA

Power and control cable acc. to IEC 60502-1

Temperature range	fixed -30°C to +90°C
Nominal voltage	U <sub>0</sub> /U 600/1000 V
Test voltage	3500 V
Minimum bending radius	fixed 8x Outer-Ø flexible 12x Outer-Ø

## ■ CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to IEC 60228 Class 5
- Core insulation: XLPE
- Core identification: see table
- Protective conductor:  
G = with protective conductor GN-YE, in the outer layer,  
x = without protective conductor
- Cores stranded in layers with optimal lay lengths
- Outer sheath: PVC
- Sheath colour: black (RAL 9005)

## ■ PROPERTIES

- resistant to: UV radiation, weathering effects
- direct burial
- for indoor and outdoor use

## ■ BADANIA

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- bundle fire test acc. to DIN VDE 0482-332-3-23 / DIN EN 60332-3-23 / IEC 60332-3-23: Cat. B
- oil-resistant acc. to IEC 60811
- UV-resistant acc. to DIN EN ISO 4892-2 / ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2 / ISO 4892-2

## ■ APPLICATION

Used as a power and control cable for indoor and outdoor installations requiring UV resistance. The cable can be laid, among others: in cable ducts or directly in the ground. Direct laying in the ground may take place provided that the installation complies with accepted good installation practices - the cable should be laid on a special cable ballast ensuring stable and continuous drainage of standing water from the installation site. A cable buried in the ground cannot be exposed to permanent exposure to water.

Continuation ►

# POWER 1000-YFR



XLPE core insulation / 90°C, flame-retardant / cat. B, direct burial

## Core identification acc. to DIN VDE 0293-308/HD 308 S2 black

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191053	1 x 16	10,1	153,6	232
18191054	1 x 25	11,8	240,0	332
18191055	1 x 35	12,7	336,0	430
18191056	1 x 50	14,8	480,0	592
18191057	1 x 70	16,3	672,0	784
18191058	1 x 95	18,8	912,0	1030
18191059	1 x 120	20,0	1152,0	1259
18191060	1 x 150	23,4	1440,0	1583
18191061	1 x 185	24,8	1776,0	1964
18191062	1 x 240	29,4	2304,0	2461
18191063	1 x 300	32,6	2880,0	3048

## Core identification acc. to DIN VDE 0293-334/DIN EN 50334 numbered black

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191153	2 x 0,75	8,7	14,4	103
18191064	2 x 1	8,9	19,2	110
18191065	2 x 1,5	9,5	28,8	129
18191066	2 x 2,5	10,3	48,0	160
18191154	3 G 0,75	9,1	21,6	115
18191067	3 x 1	9,3	28,8	125
18191068	3 x 1	9,3	28,8	125
18191069	3 G 1,5	9,9	43,2	148
18191070	3 G 2,5	10,9	72,0	188
18191155	4 G 0,75	9,8	28,8	132
18191074	4 x 1	10,0	38,4	144
18191075	4 x 1	10,0	38,4	144
18191076	4 G 1,5	10,7	57,6	170
18191077	4 G 2,5	11,7	96,0	224
18191090	5 G 1	10,8	48,0	167
18191091	5 G 1	10,8	48,0	167
18191092	5 G 1,5	11,5	72,0	202
18191093	5 G 2,5	12,7	120,0	264
18191156	7 G 0,75	11,3	50,4	178
18191103	7 G 1	11,6	67,2	198
18191104	7 G 1,5	12,4	100,8	243
18191105	7 G 2,5	13,7	168,0	325
18191106	12 G 1	14,7	115,2	292
18191107	12 G 1,5	15,8	172,8	359
18191108	18 G 1	16,9	172,8	398
18191109	24 G 1,5	21,2	345,6	624
18191157	24 G 1,5	21,2	345,6	624
18191110	25 G 1	19,6	240,0	506

## Core identification acc. to DIN VDE 0293-308 / HD 308 S2 color coded

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191071	3 G 4	12,1	115,2	249
18191072	3 G 6	13,4	172,8	325
18191073	3 G 10	15,3	288,0	471
18191078	4 G 4	13,1	153,6	300
18191079	4 G 6	14,5	230,4	400
18191080	4 G 10	16,7	384,0	581
18191081	4 G 16	19,2	614,4	832
18191082	4 G 25	23,5	960,0	1274
18191083	4 G 35	26,1	26,1	1690
18191084	4 G 50	32,1	1920,0	2446
18191085	4 G 70	35,8	2688,0	3308
18191086	4 G 95	41,8	3648,0	4380
18191087	4 G 120	44,7	4608,0	5405
18191088	4 G 150	53,0	5760,0	6899
18191089	4 G 185	55,6	7104,0	8415
18191094	5 G 4	14,2	192,0	359
18191095	5 G 6	15,8	288,0	474
18191096	5 G 10	18,2	480,0	701
18191097	5 G 16	21,0	768,0	1015
18191098	5 G 25	26,2	1200,0	1578
18191099	5 G 35	28,6	1680,0	2065
18191100	5 G 50	35,3	2400,0	2994
18191101	5 G 70	39,3	3360,0	4073
18191102	5 G 95	46,1	4560,0	5406

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