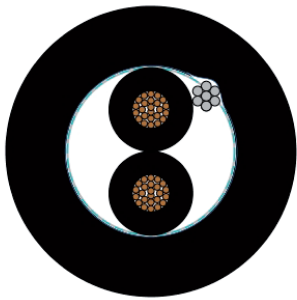


# POWER 1000-YFR-OS



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 10x Outer-Ø flexible 15x Outer-Ø

## CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to IEC 60228 Class 5
- Core insulation: XLPE
- Core identification: black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer, x = without protective conductor
- Cores stranded in layers with optimal lay lengths
- Separator: PET foil
- Overall screen: AL/PE tape over tinned copper stranded drain wire (7x0,3 mm)
- 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.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191162	2 x 0,75	8,9	17,1	109
18191163	3 G 0,75	9,3	23,4	120
18191164	3 x 0,75	9,3	23,4	120
18191165	4 G 0,75	9,9	29,7	137
18191166	4 x 0,75	9,9	29,7	137
18191167	5 G 0,75	10,7	36,1	155
18191168	5 x 0,75	10,7	36,1	155
18191169	7 G 0,75	11,4	48,7	181
18191170	12 G 0,75	14,4	80,3	269
18191171	18 G 0,75	16,5	118,3	360
18191172	25 G 0,75	19,0	162,7	457
18191173	2 x 1	9,1	20,9	117
18191174	3 G 1	9,5	29,1	130
18191175	3 x 1	9,5	29,1	130
18191176	4 G 1	10,2	37,3	149
18191177	4 x 1	10,2	37,3	149
18191178	5 G 1	10,9	45,6	170
18191179	5 x 1	10,9	45,6	170
18191180	7 G 1	11,7	62,0	201
18191181	12 G 1	14,8	103,1	298
18191182	18 G 1	17,0	152,6	407
18191183	25 G 1	19,6	210,3	516

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191184	2 x 1,5	9,6	28,6	135
18191185	3 G 1,5	10,1	40,7	152
18191186	4 G 1,5	10,8	52,7	173
18191187	5 G 1,5	11,7	65,3	203
18191188	7 G 1,5	12,5	88,9	244
18191189	12 G 1,5	15,9	149,4	368
18191190	18 G 1,5	18,3	222,0	506
18191191	25 G 1,5	21,3	306,8	652
18191192	2 x 2,5	10,5	44,6	166
18191193	3 G 2,5	11,0	64,8	192
18191194	4 G 2,5	11,9	84,8	226
18191195	5 G 2,5	12,8	105,0	264
18191196	7 G 2,5	13,8	145,2	324
18191197	12 G 2,5	17,7	246,0	496
18191198	18 G 2,5	20,5	367,0	704
18191199	25 G 2,5	24,2	508,4	932

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