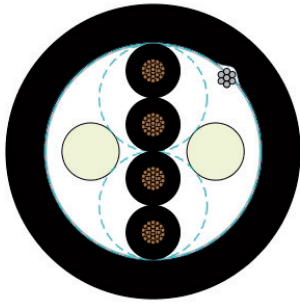


# POWER 1000-YFR-TP-OS



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	core/core 3500 V core/screen 1000V
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
- Pairs 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.
18191116	2 x 2 x 0,75	13,8	31,4	231
18191117	4 x 2 x 0,75	13,9	62,8	260
18191206	6 x 2 x 0,75	16,3	94,2	308
18191207	8 x 2 x 0,75	18,2	125,6	362
18191208	10 x 2 x 0,75	20,5	157,0	443
18191209	12 x 2 x 0,75	21,1	186,0	496
18191210	16 x 2 x 0,75	23,8	251,2	646
18191211	18 x 2 x 0,75	25,0	282,6	697
18191212	20 x 2 x 0,75	26,4	314,0	759
18191213	24 x 2 x 0,75	29,2	376,8	873
18191214	25 x 2 x 0,75	29,3	392,5	894
18191118	2 x 2 x 1	14,2	41,8	244
18191119	4 x 2 x 1	14,3	83,6	280
18191215	6 x 2 x 1	16,8	125,4	338
18191216	8 x 2 x 1	18,7	167,2	415
18191217	10 x 2 x 1	21,1	209,0	496
18191218	12 x 2 x 1	21,8	250,8	554
18191219	16 x 2 x 1	24,5	334,4	729
18191220	18 x 2 x 1	25,8	376,2	788
18191221	20 x 2 x 1	27,3	418,0	860
18191222	24 x 2 x 1	31,2	501,6	1085
18191223	25 x 2 x 1	31,3	522,5	1111

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191120	2 x 2 x 1,5	15,0	62,8	277
18191121	4 x 2 x 1,5	15,3	125,6	334
18191224	6 x 2 x 1,5	18,1	188,4	411
18191225	8 x 2 x 1,5	20,3	251,2	499
18191226	10 x 2 x 1,5	23,3	314,0	636
18191227	12 x 2 x 1,5	24,0	376,8	718
18191228	16 x 2 x 1,5	26,6	502,4	907
18191229	18 x 2 x 1,5	28,1	565,2	976
18191230	20 x 2 x 1,5	30,6	628,0	1158
18191231	24 x 2 x 1,5	33,8	753,6	1340
18191232	25 x 2 x 1,5	33,9	785,0	1375
18191233	2 x 2 x 2,5	16,8	104,5	359
18191234	4 x 2 x 2,5	17,1	209,0	403
18191235	6 x 2 x 2,5	20,2	313,5	546
18191236	8 x 2 x 2,5	23,1	418,0	713
18191237	10 x 2 x 2,5	26,1	522,5	862
18191238	12 x 2 x 2,5	27,0	627,0	983
18191239	16 x 2 x 2,5	30,9	836,0	1325
18191240	18 x 2 x 2,5	32,6	940,5	1444
18191241	20 x 2 x 2,5	34,4	1045,0	1580
18191242	24 x 2 x 2,5	38,1	1254,0	1854
18191243	25 x 2 x 2,5	38,2	1306,0	1898