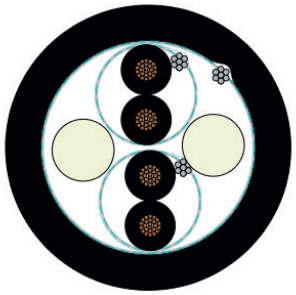
POWER 1000-YFR-TP-IOS

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_0/U 600/1000 V
Test voltage	core/core 3500 V
	core/screen 1000V
Minimum bending radius	fixed 10x Outer-∅
	flexible 15x Outer-∅

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
- Cores stranded in pairs with optimal lay lengths
- Separator on pair: PET foil
- Individual screen on pair: AL/PE tape over tinned copper stranded drain wire (7x0,3 mm)
- 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

TESTS

- 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. mm²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191122	2 x 2 x 0,75	14,6	44,2	276
18191123	4 x 2 x 0,75	14,9	88,4	289
18191293	6 x 2 x 0,75	17,6	107,7	384
18191203	8 x 2 x 0,75	19,6	142,0	473
18191294	10 x 2 x 0,75	22,1	176,5	568
18191204	12 x 2 x 0,75	22,8	210,9	638
18191295	16 x 2 x 0,75	25,7	279,9	830
18191296	18 x 2 x 0,75	27,1	314,4	900
18191297	20 x 2 x 0,75	28,6	348,8	984
18191205	24 x 2 x 0,75	32,6	417,8	1248
18191298	25 x 2 x 0,75	32,6	435,0	1281
18191124	2 x 2 x 1	14,9	59,0	290
18191125	4 x 2 x 1	15,3	118,0	314
18191299	6 x 2 x 1	18,1	130,5	418
18191251	8 x 2 x 1	20,2	172,5	518
18191300	10 x 2 x 1	22,8	214,6	619
18191252	12 x 2 x 1	24,0	256,6	731
18191301	16 x 2 x 1	26,5	340,9	914
18191302	18 x 2 x 1	28,0	383,1	994
18191303	20 x 2 x 1	29,5	425,1	1087
18191253	24 x 2 x 1	33,7	509,5	1365
18191304	25 x 2 x 1	33,7	530,5	1401

Part no.	No. cores x cross-sec. mm²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191126	2 x 2 x 1,5	15,9	88,4	330
18191127	4 x 2 x 1,5	16,5	176,8	364
18191305	6 x 2 x 1,5	19,5	176,9	494
18191306	8 x 2 x 1,5	21,9	234,3	611
18191307	10 x 2 x 1,5	25,1	291,9	769
18191308	12 x 2 x 1,5	26,0	349,3	873
18191309	16 x 2 x 1,5	28,8	464,7	1100
18191310	18 x 2 x 1,5	31,4	522,3	1280
18191311	20 x 2 x 1,5	33,1	579,8	1399
18191312	24 x 2 x 1,5	33,7	509,5	1365
18191313	25 x 2 x 1,5	36,6	724,0	1684
18191314	2 x 2 x 2,5	15,8	94,0	341
18191315	4 x 2 x 2,5	18,4	183,6	466
18191316	6 x 2 x 2,5	21,8	273,7	637
18191317	8 x 2 x 2,5	24,9	363,4	833
18191318	10 x 2 x 2,5	28,2	453,2	998
18191319	12 x 2 x 2,5	29,2	542,9	1132
18191320	16 x 2 x 2,5	33,4	723,0	1557
18191321	18 x 2 x 2,5	35,2	813,0	1694
18191322	20 x 2 x 2,5	37,2	902,8	1856