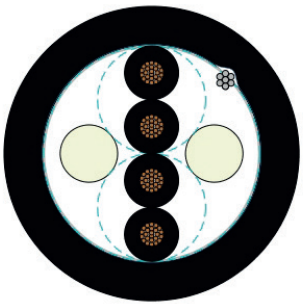
POWER 1000-YFR-TP

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	3,5 kV
Minimum bending radius	fixed 8x Outer-∅ flexible 12x 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
- Pairs stranded in layers with optimal lay lengths
- Separator: PET foil
- 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.
18191111	2 x 2 x 0,75	13,7	28,8	231
18191112	4 x 2 x 0,75	13,8	57,6	228
18191262	6 x 2 x 0,75	16,2	75,9	298
18191158	8 x 2 x 0,75	18,1	101,2	362
18191263	10 x 2 x 0,75	20,4	126,6	432
18191160	12 x 2 x 0,75	21,1	151,9	485
18191264	16 x 2 x 0,75	23,7	202,7	634
18191265	18 x 2 x 0,75	25,0	228,0	685
18191266	20 x 2 x 0,75	26,3	253,3	746
18191161	24 x 2 x 0,75	29,1	304,3	859
18191267	25 x 2 x 0,75	29,1	316,9	881
18191113	2 x 2 x 1	14,1	38,4	243
18191114	4 x 2 x 1	14,2	76,8	252
18191268	6 x 2 x 1	16,7	98,7	332
18191200	8 x 2 x 1	18,7	131,7	405
18191269	10 x 2 x 1	21,0	164,7	485
18191201	12 x 2 x 1	21,7	197,6	547
18191270	16 x 2 x 1	24,5	263,8	717
18191271	18 x 2 x 1		296,7	
18191272	20 x 2 x 1	27,2	329,7	847
18191202	24 x 2 x 1	31,1	395,9	1071
18191273	25 x 2 x 1	31,1	412,3	1098

Part no.	No. cores x cross-sec. mm²	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
18191115	2 x 2 x 1,5	14,9	57,6	277
18191128	4 x 2 x 1,5	15,3	115,2	303
18191274	6 x 2 x 1,5	18,4	145,0	423
18191159	8 x 2 x 1,5	20,2	193,5	498
18191275	10 x 2 x 1,5	23,2	242,0	624
18191276	12 x 2 x 1,5	24,0	290,3	706
18191277	16 x 2 x 1,5	26,6	387,5	895
18191278	18 x 2 x 1,5	28,0	435,9	963
18191279	20 x 2 x 1,5	30,6	484,3	1145
18191280	24 x 2 x 1,5	33,8	581,7	1326
18191281	25 x 2 x 1,5	33,8	605,8	1361
18191282	2 x 2 x 2,5	14,7	80,4	295
18191283	4 x 2 x 2,5	17,0	161,0	393
18191284	6 x 2 x 2,5	20,2	241,7	536
18191285	8 x 2 x 2,5	23,0	322,6	702
18191286	10 x 2 x 2,5	26,0	403,3	850
18191287	12 x 2 x 2,5	26,9	483,9	971
18191288	16 x 2 x 2,5	30,9	645,8	1311
18191289	18 x 2 x 2,5	32,5	726,5	1430
18191290	20 x 2 x 2,5	34,3	807,2	1566
18191291	24 x 2 x 2,5	38,0	969,5	1839
18191292	25 x 2 x 2,5	38,0	1009,6	1883