

Copper, Flexible, HEPR Insulated and PVC Sheathed Multiple Cable 0,6/1kV – Maxlink G-Flex

Conductor

Made of electrolytic bare copper wires, soft temper, stranding class 4 (1.50 to 6.00 mm²) and class 5 (10.00 to 10.00 mm²).

Insulation

HEPR 90 °C - Ethylene propylene based thermosetting compound (high modulus).

Identification

- 2 Conductors: Black, Light Blue.
- 3 Conductors: Black, Light Blue, White.
- 4 Conductors: Black, Light Blue, White, Red.

Note: Other colors, on request.

Maximum Operational Temperatures

- 90° in continuous operation
- 130° in overload
- 250° in short circuit

Application

Used in fixed power and light installations in industrial, commercial and residential buildings, in distribution circuits and in terminal circuits, and for underground low-voltage power lines where greater cable flexibility is required coupled with higher current-carrying capacity and longer life. Its higher thermal class (90 °C) allows for higher current carrying capacity than its PVC equivalent (70 °C).

Applicable Standards

- ICEA S-95-658: Standard for Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- NEMA WC-70: Standard for Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- ASTM B3: Standard Specification for Hard-Drawn Copper Wire
- ASTM B8: Standard Specification for Concentric-Lay-Stranded Copper Conductors
- ASTM B230: Standard Specification for Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B231: Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B232: Standard Specification for Concentric-Lay-Stranded Copper Conductors

Dimensional Datasheet

TWO CONDUCTORS CABLE					
Size (AWG/Kcmil)	Conductor Diameter (inch)	Insulation Thickness (inch)	Insulation Diameter (inch)	Sheath Thickness (inch)	Sheath Diameter (inch)
16	0.058	0.028	0.111	0.039	0.301
14	0.073	0.028	0.126	0.039	0.331
12	0.093	0.028	0.146	0.043	0.378
10	0.117	0.028	0.170	0.043	0.429
9	0.133	0.028	0.186	0.043	0.460
8	0.149	0.028	0.204	0.047	0.505
7	0.167	0.028	0.222	0.047	0.541
6	0.188	0.028	0.243	0.047	0.582
5	0.211	0.028	0.267	0.047	0.631
4	0.236	0.035	0.307	0.051	0.720
3	0.266	0.035	0.337	0.051	0.780
2	0.298	0.035	0.369	0.055	0.853
1	0.334	0.039	0.415	0.059	0.954
1/0	0.377	0.039	0.458	0.059	1.042
2/0	0.421	0.043	0.509	0.063	1.153
3/0	0.473	0.043	0.561	0.067	1.267
4/0	0.532	0.047	0.630	0.071	1.414

Dimensional datasheet

THREE CONDUCTORS CABLE					
Size (AWG/Kcmil)	Conductor Diameter (inch)	Insulation Thickness (inch)	Insulation Diameter (inch)	Sheath Thickness (inch)	Sheath Diameter (inch)
16	0.058	0.028	0.115	0.035	0.188
14	0.073	0.028	0.130	0.035	0.205
12	0.093	0.028	0.150	0.035	0.224
16	0.058	0.028	0.111	0.039	0.319
14	0.075	0.028	0.129	0.039	0.356
12	0.093	0.028	0.146	0.043	0.403
10	0.117	0.028	0.170	0.043	0.456
9	0.133	0.028	0.186	0.043	0.490
8	0.149	0.028	0.204	0.047	0.538
7	0.167	0.028	0.222	0.047	0.576
6	0.188	0.028	0.243	0.047	0.623
5	0.211	0.028	0.267	0.047	0.674
4	0.236	0.035	0.307	0.055	0.777
3	0.266	0.035	0.337	0.055	0.844
2	0.298	0.035	0.369	0.055	0.912
1	0.334	0.035	0.407	0.055	0.997
1/0	0.377	0.039	0.458	0.063	1.123
2/0	0.421	0.043	0.509	0.067	1.244
3/0	0.473	0.043	0.561	0.071	1.364
4/0	0.532	0.043	0.622	0.071	1.498
250	0.580	0.047	0.678	0.075	1.627
300	0.634	0.055	0.748	0.083	1.794
350	0.683	0.063	0.815	0.087	1.945

Dimensional datasheet

FOUR CONDUCTORS CABLE					
Size (AWG/Kcmil)	Conductor Diameter (inch)	Insulation Thickness (inch)	Insulation Diameter (inch)	Sheath Thickness (inch)	Sheath Diameter (inch)
16	0.058	0.028	0.115	0.035	0.188
14	0.073	0.028	0.130	0.035	0.205
12	0.093	0.028	0.150	0.035	0.224
16	0.058	0.028	0.111	0.039	0.347
14	0.073	0.028	0.126	0.043	0.391
12	0.093	0.028	0.146	0.035	0.424
10	0.117	0.028	0.170	0.047	0.506
9	0.133	0.028	0.186	0.047	0.544
8	0.149	0.028	0.204	0.047	0.589
7	0.167	0.028	0.222	0.047	0.634
6	0.188	0.028	0.243	0.055	0.700
5	0.211	0.028	0.267	0.055	0.757
4	0.236	0.035	0.307	0.055	0.856
3	0.266	0.035	0.337	0.055	0.928
2	0.298	0.035	0.369	0.039	0.973
1	0.334	0.035	0.407	0.039	1.068
1/0	0.377	0.039	0.458	0.039	1.190
2/0	0.421	0.043	0.509	0.063	1.364
3/0	0.473	0.043	0.561	0.039	1.444
4/0	0.532	0.047	0.630	0.063	1.657
250	0.580	0.047	0.678	0.063	1.773