

MOTOR POWER SUPPLY CABLES



GAALFLEX® FG7OHH2R

inverter, connection to frequency converters



Construction:

| | |
|----------------------|---|
| Conductor: | flexible red copper or tinned cable, class. 5 IEC 60228 |
| Insulation: | HEPR high module etylpropylene rubber. |
| Stranding: | cores laying to concentric crowns to ensure roundness to the cable. |
| Cores colour: | brown - light blue - black |
| Screen: | aluminium strip (100% covering), red copper plait of the same section as the phase conductor (for sections up to 16 mm ²) or equal to half phase conductor, with a minimum of 16 mm ² (for section greater than 25 mm ²) |
| Outer sheath: | special RZ quality polyvinylchloride (PVC) gray colour. |

Technical data:

| | |
|---------------------------------|----------------------------|
| Temperature range: | |
| <i>Fixed installation:</i> | -50°C up to + 80°C |
| <i>Flexible installation:</i> | -35°C up to + 80°C |
| Nominal voltage: | U ₀ /U 0,6/1 kV |
| Test voltage: | 4 kV |
| Temperaure at conductor: | |
| <i>in service:</i> | + 90°C |
| <i>in short circuit:</i> | + 250°C |
| Min. bending radius: | 8 x d |

Outstanding features:

- flame retardant CEI 20-22/2 - IEC 60332-3-22
- according to IEC 60502-1 and CEI 20-13, CEI-UNEL 35375

| Item no. | No. of cores x cross section no. x mm ² | Outer-Ø mm | Current capacity at +30°C | Copper weight kg/km | Cable weight kg/km | AWG. no. *) |
|----------|--|---------------|---------------------------------|---------------------------|--------------------------|----------------|
| 03530315 | 3x2,5+SH | 14.6 | 26 | 96 | 340 | 14 |
| 03530325 | 3x4 +SH | 15.8 | 34 | 134 | 400 | 12 |
| 03530340 | 3x6 +SH | 18.7 | 44 | 231 | 490 | 10 |
| 03530360 | 3x10 +SH | 21.7 | 61 | 336 | 720 | 8 |
| 03530361 | 3x16 +SH | 25.3 | 82 | 615 | 1040 | 6 |
| 03530362 | 3x25 +SH | 28.8 | 108 | 873 | 1410 | 4 |
| 03530363 | 3x35 +SH | 32.2 | 135 | 1162 | 1870 | 2 |
| 03530364 | 3x50 +SH | 36.0 | 168 | 1680 | 2400 | 1 |

| | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|------|
| Temperature °C: | 15 | 20 | 25 | 35 | 40 | 45 | 50 | 55 | 60 |
| K Factor: | 1,17 | 1,12 | 1,06 | 0,94 | 0,87 | 0,79 | 0,71 | 0,61 | 0,50 |

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|----------|--|---------------|---------------------------------|---------------------------|--------------------------|----------------|
| 03530365 | 3x70+SH | 40.7 | 207 | 2352 | 3360 | 2/0 |
| 03530366 | 3x95+SH | 47.6 | 250 | 3192 | 4350 | 3/0 |
| 03530367 | 3x120+SH | 52.2 | 292 | 4032 | 5540 | 4/0 |
| 03530368 | 3x150+SH | 56.4 | 335 | 5040 | 6880 | 250 MCM |
| 03530369 | 3x185+SH | 64.8 | 382 | 6216 | 8350 | 350 MCM |
| 03530370 | 3x240+SH | 74.5 | 453 | 8604 | 11540 | 450 MCM |
| 03530371 | 3x300+SH | 85.5 | 523 | 10080 | 13480 | 550 MCM |

Other dimensions and colours available on request.

On request is possible **FG7OHH2M1-0,6/1 kV, Halogen free** Version
Sheath: green M1 LSOH thermoplastic



Thomas Cable