

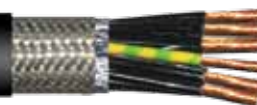
CONTROL AND CONNECTION CABLES

GAALFLEX® TRAY 1002 CY Lean

Special PVC oil resistant, flexible tray cable, Machine-Tool cable, with overall copper screen, acc. to UL 1277 (TC-ER) and UL 1063 (MTW), 600 V TC & MTW, 1000 V AWM & IEC



ELETTROTEK KABEL® GAALFLEX® TRAY 1002 CY lean



Construction:

| | |
|----------------------|---|
| Conductor: | flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295 and UL standard 83 from 18 to 16 AWG: cores type TFF from 14 AWG and over: cores type THHW |
| Insulation: | GAALTHERM® 522 |
| Colour cores: | black cores with consecutive numbers acc. to EN 50334, green-yellow from 3 cores |
| Stranding: | in layers |
| Screen: | aluminium tape and tinned copper braid |
| Outer sheath: | black (RAL 9005), special PVC oil resistant compound acc. to UL 1277 and UL 1063 |

Technical data:

| | |
|-------------------------------|---|
| Nominal voltage: | UL-TC/MTW 600 V |
| Nominal voltage: | IEC / UL-AWM 1000 V |
| Test voltage: | 4 kV |
| Temperature range | |
| <i>Fixed laying:</i> | - 40°C up to +90°C (UL-AWM up to +105°C) |
| <i>Flexible application:</i> | - 5°C up to +90°C (UL-AWM up to +105°C) |
| Min. bending radius: | |
| <i>Fixed laying:</i> | 6 x d |
| <i>Flexible installation:</i> | 20 x d |

Resistance:



Fire performance acc. to:
(UL) FT4/IEEE, UL 1685



Oil resistance acc. to:
to UL OIL RES I



UV resistant / Sunlight resistant:
acc. to EN 50396 and HD 605 A1, UL 1581

Features:

AWM style 10012/21179 90°C 600 or 1000 V, CSA AWM I/II A/B
acc. to UL 1063 UL(MTW) and UL 1277 (TC-ER)
oil resistant acc. to UL OIL RES I,
water resistance and UL Wet approval 75°C
acc. to UL 2277: Flexible Motor Supply Lead Cable
(Flexible VFD Servo Cable) and Wind Turbine Tray Cable (WTTC)
acc. to NFPA 79 2007 and NEC 336.10(7)
class 1 Div. 2 art 336, 392, 501
Direct burial acc. to UL 1277 part. 5.2. (wet location insulations)
and 18.1 - 18.6 (crushing test)
outdoor use
exposed runs
cable for tray use
oil resistance
water resistance
RoHS and CE approval



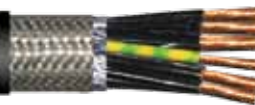
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| Part no. | No. of cores x cross section n x mm ² | Outer-Ø ca. mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no. *) |
|----------------|--|----------------------------|---------------------------|----------------------------------|---------------|
| 32240H71020A18 | 2 x 1 | 8,5 | 44,0 | 100 | 18 |
| 32240H70031A18 | 3 G 1 | 8,9 | 58,4 | 122 | 18 |
| 32240H70041A18 | 4 G 1 | 9,7 | 67,9 | 145 | 18 |
| 32240H70051A18 | 5 G 1 | 10,5 | 82,6 | 175 | 18 |
| 32240H70071A18 | 7 G 1 | 11,4 | 106,7 | 212 | 18 |
| 32240H70121A18 | 12 G 1 | 15,5 | 185,2 | 350 | 18 |
| 32240H70181A18 | 18 G 1 | 17,9 | 260,5 | 485 | 18 |
| 32240H70251A18 | 25 G 1 | 20,3 | 336,3 | 610 | 18 |
| 32240H71020A16 | 2 x 1,5 | 9,2 | 58,4 | 125 | 16 |
| 32240H70031A16 | 3 G 1,5 | 9,7 | 72,7 | 145 | 16 |
| 32240H70041A16 | 4 G 1,5 | 10,5 | 92,2 | 185 | 16 |
| 32240H70051A16 | 5 G 1,5 | 11,4 | 111,5 | 220 | 16 |
| 32240H70071A16 | 7 G 1,5 | 12,4 | 145,3 | 270 | 16 |
| 32240H70121A16 | 12 G 1,5 | 16,9 | 251,8 | 450 | 16 |
| 32240H70181A16 | 18 G 1,5 | 19,6 | 355,6 | 630 | 16 |
| 32240H70251A16 | 25 G 1,5 | 23,4 | 474,0 | 770 | 16 |
| 32240H71020A14 | 2 x 2,5 | 10,0 | 82,5 | 158 | 14 |
| 32240H70031A14 | 3 G 2,5 | 10,5 | 106,6 | 190 | 14 |
| 32240H70041A14 | 4 G 2,5 | 11,4 | 135,6 | 240 | 14 |
| 32240H70051A14 | 5 G 2,5 | 12,5 | 164,4 | 290 | 14 |
| 32240H70071A14 | 7 G 2,5 | 14,6 | 229,6 | 390 | 14 |
| 32240H70121A14 | 12 G 2,5 | 18,5 | 375,9 | 610 | 14 |
| 32240H70181A14 | 18 G 2,5 | 22,6 | 537,5 | 850 | 14 |
| 32240H70031A12 | 3 G 4 | 11,9 | 154,6 | 260 | 12 |
| 32240H70041A12 | 4 G 4 | 13,0 | 198,1 | 335 | 12 |
| 32240H70051A12 | 5 G 4 | 15,2 | 262,1 | 435 | 12 |
| 32240H70071A12 | 7 G 4 | 16,5 | 348,0 | 550 | 12 |
| 32240H70031A10 | 3 G 6 | 13,9 | 217,2 | 355 | 10 |
| 32240H70041A10 | 4 G 6 | 15,3 | 300,7 | 480 | 10 |
| 32240H70051A10 | 5 G 6 | 16,7 | 367,0 | 570 | 10 |
| 32240H70041A08 | 4 G 10 | 19,4 | 480,8 | 770 | 8 |
| 32240H70051A08 | 5 G 10 | 22,4 | 585,4 | 960 | 8 |
| 32240H70041A06 | 4 G 16 | 24,6 | 737,3 | 1210 | 6 |
| 32240H70051A06 | 5 G 16 | 27,1 | 899,7 | 1450 | 6 |
| 32240H70041A04 | 4 G 25 | 28,1 | 1100,6 | 1700 | 4 |
| 32240H70041A02 | 4 G 35 | 31,0 | 1502,0 | 2210 | 2 |
| 32240H70041A01 | 4 G 50 | 37,7 | 2166,7 | 3210 | 1 |
| 32240H70041A2C | 4 G 70 | 44,2 | 2976,1 | 4400 | 2/0 |
| 32240H70041A3C | 4 G 95 | 47,7 | 3963,5 | 5570 | 3/0 |
| 32240H70041A4C | 4 G 120 | 50,3 | 4937,2 | 6660 | 4/0 |
| 32240H70041A5C | 4 G 150 | 55,9 | 6130,5 | 8260 | 250 MCM |

Other dimension and colours available on request.