

ETFE, FEP, PFA Cables

TD 801 F

FEP data cable with extended temperature range

+180 °C

AWG 22/3c  AWM Style 21618 III A/B 150°C 600V FT1 FT2 3801-0322 



marking example:

SAB BRÖCKSKES · D-VIERSEN · TD 801 F AWG 22/3c  AWM Style 21618 III A/B 150°C 600V FT1 FT2 3801-0322 

Construction:

| | |
|------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6Y11 acc. to VDE 0207-6 |
| Colour code: | with reference to DIN 47100 |
| Stranding: | in layers |
| Sheath material: | FEP, 6YM1 acc. to VDE 0207-6 |
| Sheath colour: | white (RAL 1013) |

Outstanding features:

- » excellent resistance against chemicals and solvents
- » excellent temperature resistance and flexibility at low temperatures
- » excellent electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics
- » cULus recognized

Technical data:

| | |
|--------------------------------|---|
| Peak operating voltage: | max. 375 V |
| Voltage cULus: | 600 V |
| Testing voltage: | core/core 2000 V |
| Min. bending radius: | 7,5 x d |
| Radiation resistance: | 1 x 10 ⁷ cJ/kg |
| Temperature range | DIN VDE cULus: up to +150 °C |
| fixed laying: | -90/+180 °C |
| flexible application: | -55/+180 °C |
| limited time of use: | +200 °C |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1 FT2 |
| Oil resistance: | very good acc. to UL standard 758, at 80 °C after 80 days |
| Chem. resistance: | very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ |

| item no. | dimension | nominal single wire ø mm | max. outer-ø mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|--------------|--------------------------|-----------------|---------------------|----------------------|
| 38010228 | 2 x AWG 28/7 | 0,127 | 2,0 | 1,8 | 6,3 |
| 38010226 | 2 x AWG 26/7 | 0,160 | 2,2 | 2,8 | 7,9 |
| 38010224 | 2 x AWG 24/7 | 0,203 | 2,5 | 4,2 | 10,3 |
| 38010222 | 2 x AWG 22/7 | 0,254 | 2,8 | 6,8 | 13,6 |
| 38010220 | 2 x AWG 20/7 | 0,320 | 3,2 | 10,8 | 18,6 |
| 38010328 | 3 x AWG 28/7 | 0,127 | 2,1 | 2,7 | 7,9 |
| 38010326 | 3 x AWG 26/7 | 0,160 | 2,4 | 4,2 | 9,9 |
| 38010324 | 3 x AWG 24/7 | 0,203 | 2,6 | 6,3 | 13,4 |
| 38010322 | 3 x AWG 22/7 | 0,254 | 2,9 | 10,2 | 18,0 |
| 38010320 | 3 x AWG 20/7 | 0,320 | 3,4 | 16,2 | 25,5 |
| 38010428 | 4 x AWG 28/7 | 0,127 | 2,3 | 3,6 | 9,7 |
| 38010426 | 4 x AWG 26/7 | 0,160 | 2,5 | 5,6 | 12,7 |
| 38010424 | 4 x AWG 24/7 | 0,203 | 2,9 | 8,4 | 16,9 |
| 38010422 | 4 x AWG 22/7 | 0,254 | 3,2 | 13,6 | 22,8 |
| 38010420 | 4 x AWG 20/7 | 0,320 | 3,7 | 21,6 | 32,2 |
| 38010528 | 5 x AWG 28/7 | 0,127 | 2,5 | 4,5 | 11,7 |
| 38010526 | 5 x AWG 26/7 | 0,160 | 2,8 | 7,0 | 15,2 |
| 38010524 | 5 x AWG 24/7 | 0,203 | 3,1 | 10,5 | 21,0 |

| item no. | dimension | nominal single wire ø mm | max. outer-ø mm | copper figure kg/km | cable weight ≈ kg/km |
|----------|---------------|--------------------------|-----------------|---------------------|----------------------|
| 38010522 | 5 x AWG 22/7 | 0,254 | 3,5 | 17,0 | 28,3 |
| 38010520 | 5 x AWG 20/7 | 0,320 | 4,4 | 27,0 | 42,4 |
| 38010624 | 6 x AWG 24/7 | 0,203 | 3,5 | 12,6 | 25,0 |
| 38010728 | 7 x AWG 28/7 | 0,127 | 2,7 | 6,3 | 14,8 |
| 38010726 | 7 x AWG 26/7 | 0,160 | 3,0 | 9,8 | 19,4 |
| 38010724 | 7 x AWG 24/7 | 0,203 | 3,4 | 14,7 | 26,6 |
| 38010722 | 7 x AWG 22/7 | 0,254 | 4,1 | 23,8 | 38,6 |
| 38010720 | 7 x AWG 20/7 | 0,320 | 4,5 | 37,8 | 54,1 |
| 38011028 | 10 x AWG 28/7 | 0,127 | 3,4 | 9,0 | 20,4 |
| 38011026 | 10 x AWG 26/7 | 0,160 | 4,0 | 14,0 | 27,4 |
| 38011024 | 10 x AWG 24/7 | 0,203 | 4,5 | 21,0 | 39,0 |
| 38011022 | 10 x AWG 22/7 | 0,254 | 5,1 | 34,0 | 55,2 |
| 38011020 | 10 x AWG 20/7 | 0,320 | 5,9 | 54,0 | 78,3 |
| 38011228 | 12 x AWG 28/7 | 0,127 | 3,5 | 10,8 | 23,4 |
| 38011226 | 12 x AWG 26/7 | 0,160 | 4,0 | 16,8 | 32,6 |
| 38011224 | 12 x AWG 24/7 | 0,203 | 4,7 | 25,2 | 45,3 |
| 38011222 | 12 x AWG 22/7 | 0,254 | 5,3 | 40,8 | 64,2 |
| 38011220 | 12 x AWG 20/7 | 0,320 | 6,3 | 64,8 | 92,0 |

Other dimensions and colours are possible on request.

ETFE and PFA are possible on request.