

ETFE, FEP, PFA Cables





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Chapter

| Item | Description | Page |
|--|---|--|
| TD 809 F | FEP insulated connection cable with wider temperature range and colored conductors, UL, CE | L 5-6 |
| TD 842 (ST) F | FEP insulated connection cable with wider temperature range, colored conductors and electrostatic screen, UL, CE | L 7-8 |
| TD 845 DS | Double shielded FEP insulated connection cable with wider temperature range, colored conductors and copper screen, UL, CE | L 9-10 |
| TD 846 DS TP | Paired, double shielded FEP insulated foil shielded and copper braiding data cable, UL, CE | L 11 |
|  BlueLine TA 180 C | Flexible FEP-Connection cables with overall copper screen, GL, CE | L 12  |

 : especially for use in shipbuilding industry

Applications

■ Applications FEP cables

These cables are used for example in new technologies if high demands for resistance against chemicals and solvents must be fulfilled. Compared to ETFE, FEP has a slightly better resistance. Further advantages are the excellent temperature resistance and flexibility at cold temperatures as well as the good electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics.

Exemplary applications:

| | |
|----------------------|--|
| TD 809 F | Applications in high-frequency and broad-band techniques, coaxial and microwave techniques, high information velocity with exact information transmission at the same time, chemical industry, furnace construction, brick works, heating appliances |
| TD 842 (ST) F | |
| TD 845 DS | |
| TD 846 DS TP | |

■ Applications FEP BlueLine cables for Shipbuilding

The development of the new BlueLine cable series has been advanced in co-operation with customers coming from the shipbuilding field. The new cables are available as high temperature and oil resistant type. All SAB BlueLine types are constructed with tinned copper strands in class 5 in order to offer advantages in corrosion resistance and flexibility. Due to the approval by Germanischer Lloyd it also offers a certain planning reliability for classification. These cables are suitable for adverse conditions in engine rooms. It is both oil and fuel resistant, has very good chemical resistances and an excellent fire performance.

Exemplary applications:

| | |
|--------------------------|---|
| BlueLine TA 180 C | Ship engine rooms, control panels for ship diesel engines |
|--------------------------|---|

Selection index

| | | cable type | TD 809 F | TD 842 (ST) F | TD 845 DS | TD 846 DS TP | BlueLine TA 180 C |
|---------------------------|--|------------|----------|---------------|-----------|--------------|-------------------|
| Basic construction | Connection cable | | x | x | x | | x |
| | Data cable | | | | | x | |
| | tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 | | | | | | x |
| | Copper strands acc. to ASTM B 286 | | x | x | x | x | |
| | black conductors with consecutive numbers acc. to EN 50334 | | | | | | x |
| | Color code acc. to US 4 | | x | x | x | | |
| | Color code acc. to US 5 | | | | | x | |
| Screened | | | | x | x | x | |
| | Twisted pairs | | | | | x | |
| Temperature range static* | + 180 °C | | | | | | |
| | - 55 °C | | | | | | |
| | - 90 °C | | | | | | |
| Voltage | Voltage UL 300 V | | x | x | x | x | |
| | Nominal voltage 300/500 V | | | | | | x |
| | Peak operating voltage max. 900 V | | x | x | x | x | |
| | Testing voltage 2000 V | | x | x | x | x | x |
| Standards | UL recognized | | x | x | x | x | |
| | GL approved | | | | | | x |
| | Burning characteristics: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 | | x | x | x | x | |
| | Burning characteristics: no flame propagation acc. to IEC 60332-3-22 + DIN EN 60332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + DIN EN 60332-1-2 | | | | | | x |
| Characteristics | Oil resistance acc. to UL standard 758 | | x | x | x | x | |
| | Oil and fuel resistance | | | | | | x |
| | Very good chemical resistance | | x | x | x | x | |

Temperature range:

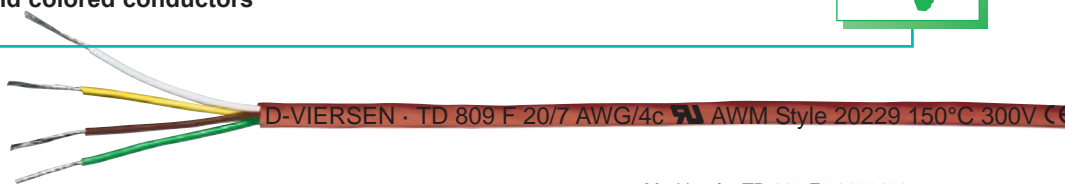
 from

 to

*The temperature range for flexing is mentioned on the particular catalog page

ETFE, FEP, PFA CABLES

TD 809 F FEP insulated connection cable with wider temperature range and colored conductors



Marking for TD 809 F 38090420:

SAB BRÖCKSKES · D-VIERSEN · TD 809 F 20/7 AWG/4c AWM Style 20229 150°C 300V CE

TD 809 F is a UL recognized 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 809 F is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists.

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6Y11 acc. to DIN VDE 0207 part 6 |
| Color code: | acc. to color code US 4 see page N/26 |
| Stranding: | in layers |
| Wrapping: | PETP foil |
| Slitting cord: | Aramid-therad 1580 dtex under the jacket |
| Jacket material: | FEP, 6YM1 acc. to DIN VDE 0207 part 6 |
| Jacket color: | tan |

Technical data:

| | |
|---------------------------------------|---|
| Voltage: | UL: 300 V |
| Peak operating voltage: | max. 900 V |
| Testing voltage: | 2000 V |
| Min. bending radius | |
| <i>fixed installation:</i> | 5 x O.D. |
| <i>free movement:</i> | 10 x O.D. |
| Temperature range | DIN VDE: UL: up to +150 °C |
| <i>static:</i> | -90/+180 °C |
| <i>flexing:</i> | -55/+180 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 |
| Oil resistance: | 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 page N/28 |

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

| item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft | item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft | item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft |
|-------------------|-------------------|----------------------|--------------------|------------------------|-------------------|-------------------|----------------------|--------------------|------------------------|-------------------|-------------------|----------------------|--------------------|------------------------|
| ▶ 24/7 AWG | | | | | ▶ 22/7 AWG | | | | | ▶ 20/7 AWG | | | | |
| 38092402 | 2 | 0.142 | 3.6 | 14 | 38092202 | 2 | 0.154 | 3.9 | 17 | 38092002 | 2 | 0.169 | 4.3 | 21 |
| 38092403 | 3 | 0.150 | 3.8 | 17 | 38092203 | 3 | 0.161 | 4.1 | 21 | 38092003 | 3 | 0.177 | 4.5 | 27 |
| 38092404 | 4 | 0.161 | 4.1 | 21 | 38092204 | 4 | 0.173 | 4.4 | 25 | 38092004 | 4 | 0.193 | 4.9 | 33 |
| 38092405 | 5 | 0.173 | 4.4 | 25 | 38092205 | 5 | 0.189 | 4.8 | 31 | 38092005 | 5 | 0.213 | 5.4 | 41 |
| 38092406 | 6 | 0.189 | 4.8 | 29 | 38092206 | 6 | 0.205 | 5.2 | 36 | 38092006 | 6 | 0.228 | 5.8 | 48 |
| 38092407 | 7 | 0.189 | 4.8 | 30 | 38092207 | 7 | 0.205 | 5.2 | 38 | 38092007 | 7 | 0.228 | 5.8 | 51 |
| 38092408 | 8 | 0.213 | 5.4 | 37 | 38092208 | 8 | 0.236 | 6.0 | 48 | 38092008 | 8 | 0.264 | 6.7 | 63 |
| 38092409 | 9 | 0.228 | 5.8 | 42 | 38092209 | 9 | 0.252 | 6.4 | 54 | 38092009 | 9 | 0.283 | 7.2 | 72 |
| 38092410 | 10 | 0.232 | 5.9 | 41 | 38092210 | 10 | 0.256 | 6.5 | 52 | 38092010 | 10 | 0.287 | 7.3 | 70 |
| 38092412 | 12 | 0.240 | 6.1 | 47 | 38092212 | 12 | 0.264 | 6.7 | 60 | 38092012 | 12 | 0.295 | 7.5 | 81 |
| 38092414 | 14 | 0.252 | 6.4 | 52 | 38092214 | 14 | 0.276 | 7.0 | 68 | 38092014 | 14 | 0.311 | 7.9 | 92 |
| 38092416 | 16 | 0.264 | 6.7 | 59 | 38092216 | 16 | 0.291 | 7.4 | 77 | 38092016 | 16 | 0.331 | 8.4 | 105 |
| 38092418 | 18 | 0.280 | 7.1 | 66 | 38092218 | 18 | 0.307 | 7.8 | 86 | 38092018 | 18 | 0.346 | 8.8 | 117 |
| 38092420 | 20 | 0.291 | 7.4 | 72 | 38092220 | 20 | 0.323 | 8.2 | 95 | 38092020 | 20 | 0.366 | 9.3 | 130 |
| 38092425 | 25 | 0.331 | 8.4 | 86 | 38092225 | 25 | 0.366 | 9.3 | 113 | 38092025 | 25 | 0.413 | 10.5 | 155 |
| 38092430 | 30 | 0.343 | 8.7 | 99 | 38092230 | 30 | 0.378 | 9.6 | 131 | 38092030 | 30 | 0.429 | 10.9 | 182 |
| 38092436 | 36 | 0.370 | 9.4 | 118 | 38092236 | 36 | 0.409 | 10.4 | 156 | 38092036 | 36 | 0.465 | 11.8 | 215 |
| 38092442 | 42 | 0.398 | 10.1 | 136 | 38092242 | 42 | 0.441 | 11.2 | 182 | 38092042 | 42 | 0.512 | 13.0 | 259 |

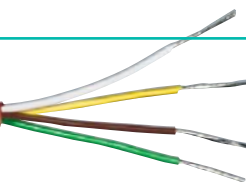
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ETFE, FEP, PFA CABLES



TD 809 F FEP insulated connection cable with wider temperature range and colored conductors

D-VIERSEN · TD 809 F 20/7 AWG/4c AWM Style 20229 150°C 300V CE



Marking for TD 809 F 38090420:

SAB BRÖCKSKES · D-VIERSEN · TD 809 F 20/7 AWG/4c AWM Style 20229 150°C 300V CE

TD 809 F is a UL recognized 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 809 F is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists.

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6Y11 acc. to DIN VDE 0207 part 6 |
| Color code: | acc. to color code US 4 see page N/26 |
| Stranding: | in layers |
| Wrapping: | PETP foil |
| Slitting cord: | Aramid-therad 1580 dtex under the jacket |
| Jacket material: | FEP, 6YM1 acc. to DIN VDE 0207 part 6 |
| Jacket color: | tan |

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

Technical data:

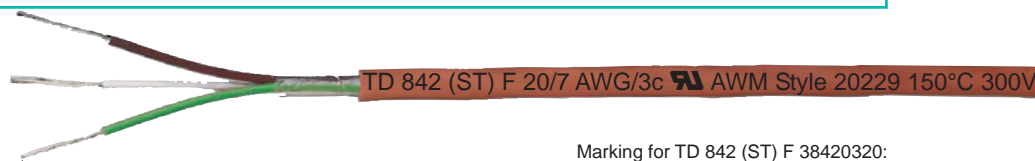
| | |
|--|---|
| Voltage: | UL: 300 V |
| Peak operating voltage: | max. 900 V |
| Testing voltage: | 2000 V |
| Min. bending radius <i>fixed installation:</i> | 5 x O.D. |
| <i>free movement:</i> | 10 x O.D. |
| Temperature range <i>static:</i> | DIN VDE: -90/+180 °C |
| <i>flexing:</i> | UL: up to +150 °C -55/+180 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 |
| Oil resistance: | 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 page N/28 |

| item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft | item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft |
|-------------------|-------------------|----------------------|--------------------|------------------------|-------------------|-------------------|----------------------|--------------------|------------------------|
| ▶ 18/7 AWG | | | | | ▶ 16/7 AWG | | | | |
| 38091802 | 2 | 0.189 | 4.8 | 27 | 38091602 | 2 | 0.205 | 5.2 | 33 |
| 38091803 | 3 | 0.201 | 5.1 | 36 | 38091603 | 3 | 0.213 | 5.4 | 44 |
| 38091804 | 4 | 0.217 | 5.5 | 44 | 38091604 | 4 | 0.232 | 5.9 | 55 |
| 38091805 | 5 | 0.236 | 6.0 | 55 | 38091605 | 5 | 0.256 | 6.5 | 68 |
| 38091806 | 6 | 0.260 | 6.6 | 65 | 38091606 | 6 | 0.280 | 7.1 | 81 |
| 38091807 | 7 | 0.260 | 6.6 | 70 | 38091607 | 7 | 0.280 | 7.1 | 87 |
| 38091808 | 8 | 0.299 | 7.6 | 86 | 38091608 | 8 | 0.323 | 8.2 | 108 |
| 38091809 | 9 | 0.319 | 8.1 | 98 | 38091609 | 9 | 0.346 | 8.8 | 115 |
| 38091810 | 10 | 0.327 | 8.3 | 97 | 38091610 | 10 | 0.354 | 9.0 | 122 |
| 38091812 | 12 | 0.339 | 8.6 | 113 | 38091612 | 12 | 0.366 | 9.3 | 143 |
| 38091814 | 14 | 0.354 | 9.0 | 129 | 38091614 | 14 | 0.386 | 9.8 | 163 |
| 38091816 | 16 | 0.378 | 9.6 | 147 | 38091616 | 16 | 0.409 | 10.4 | 186 |
| 38091818 | 18 | 0.398 | 10.1 | 165 | 38091618 | 18 | 0.433 | 11.0 | 209 |
| 38091820 | 20 | 0.417 | 10.6 | 182 | 38091620 | 20 | 0.453 | 11.5 | 232 |
| 38091825 | 25 | 0.488 | 12.4 | 227 | 38091625 | 25 | 0.528 | 13.4 | 288 |
| 38091830 | 30 | 0.504 | 12.8 | 265 | 38091630 | 30 | 0.551 | 14.0 | 339 |
| 38091836 | 36 | 0.547 | 13.9 | 281 | 38091636 | 36 | 0.594 | 15.1 | 404 |
| 38091842 | 42 | 0.587 | 14.9 | 369 | 38091642 | 42 | 0.642 | 16.3 | 471 |

Other dimensions and colors are possible on request.

ETFE, FEP, PFA CABLES

TD 842 (ST) F FEP insulated connection cable with wider temperature range, colored conductors and electrostatic screen



TD 842 (ST) F 20/7 AWG/3c UL AWM Style 20229 150°C 300V

Marking for TD 842 (ST) F 38420320:
SAB BRÖCKSKES · D-VIERSEN · TD 842 (ST) F 20/7 AWG/3c UL AWM Style 20229 150°C 300V CE

TD 842 (ST) F is a UL recognized shielded 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 842 (ST) F is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6YI1 acc. to DIN VDE 0207 part 6 |
| Color code: | acc. to color code US 4 see page N/26 |
| Stranding: | in layers |
| Wrapping: | PETP foil |
| Drain wire: | tinned copper strands acc. to ASTM B 286 |
| Wrapping: | alu foil |
| Slitting cord: | Aramid-therad 1580 dtex under the jacket |
| Jacket material: | FEP, 6YM1 acc. to DIN VDE 0207 part 6 |
| Jacket color: | tan |

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

Technical data:

| | |
|---------------------------------------|---|
| Voltage: | UL: 300 V |
| Peak operating voltage: | max. 900 V |
| Testing voltage: | conductor/conductor 2000 V conductor/shield 600 V (ST) |
| Min. bending radius | |
| <i>fixed installation:</i> | 5 x O.D. |
| <i>free movement:</i> | 10 x O.D. |
| Temperature range | DIN VDE: UL: up to +150 °C |
| <i>static:</i> | -90/+180 °C |
| <i>flexing:</i> | -55/+180 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 |
| Oil resistance: | 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 page N/28 |

| item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft |
|----------|-------------------|----------------------|--------------------|------------------------|
|----------|-------------------|----------------------|--------------------|------------------------|

▶ 24/7 AWG

| | | | | |
|----------|----|-------|------|-----|
| 38422402 | 2 | 0.146 | 3.7 | 16 |
| 38422403 | 3 | 0.154 | 3.9 | 19 |
| 38422404 | 4 | 0.177 | 4.5 | 25 |
| 38422405 | 5 | 0.193 | 4.9 | 29 |
| 38422406 | 6 | 0.205 | 5.2 | 33 |
| 38422408 | 8 | 0.232 | 5.9 | 42 |
| 38422410 | 10 | 0.244 | 6.2 | 44 |
| 38422412 | 12 | 0.256 | 6.5 | 50 |
| 38422414 | 14 | 0.268 | 6.8 | 57 |
| 38422416 | 16 | 0.283 | 7.2 | 64 |
| 38422418 | 18 | 0.295 | 7.5 | 70 |
| 38422420 | 20 | 0.307 | 7.8 | 77 |
| 38422425 | 25 | 0.335 | 8.5 | 89 |
| 38422430 | 30 | 0.358 | 9.1 | 104 |
| 38422436 | 36 | 0.374 | 9.5 | 119 |
| 38422442 | 42 | 0.417 | 10.6 | 138 |

| item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft |
|----------|-------------------|----------------------|--------------------|------------------------|
|----------|-------------------|----------------------|--------------------|------------------------|

▶ 22/7 AWG

| | | | | |
|----------|----|-------|------|-----|
| 38422202 | 2 | 0.157 | 4.0 | 20 |
| 38422203 | 3 | 0.177 | 4.5 | 25 |
| 38422204 | 4 | 0.193 | 4.9 | 31 |
| 38422205 | 5 | 0.209 | 5.3 | 36 |
| 38422206 | 6 | 0.224 | 5.7 | 42 |
| 38422208 | 8 | 0.256 | 6.5 | 54 |
| 38422210 | 10 | 0.268 | 6.8 | 57 |
| 38422212 | 12 | 0.280 | 7.1 | 64 |
| 38422214 | 14 | 0.295 | 7.5 | 74 |
| 38422216 | 16 | 0.311 | 7.9 | 82 |
| 38422218 | 18 | 0.327 | 8.3 | 92 |
| 38422220 | 20 | 0.343 | 8.7 | 101 |
| 38422225 | 25 | 0.370 | 9.4 | 117 |
| 38422230 | 30 | 0.398 | 10.1 | 138 |
| 38422236 | 36 | 0.413 | 10.5 | 159 |
| 38422242 | 42 | 0.465 | 11.8 | 184 |

| item no. | no. of conductors | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft |
|----------|-------------------|----------------------|--------------------|------------------------|
|----------|-------------------|----------------------|--------------------|------------------------|

▶ 20/7 AWG

| | | | | |
|----------|----|-------|------|-----|
| 38422002 | 2 | 0.173 | 4.4 | 25 |
| 38422003 | 3 | 0.181 | 4.6 | 31 |
| 38422004 | 4 | 0.185 | 4.7 | 38 |
| 38422005 | 5 | 0.232 | 5.9 | 47 |
| 38422006 | 6 | 0.252 | 6.4 | 55 |
| 38422008 | 8 | 0.287 | 7.3 | 72 |
| 38422010 | 10 | 0.299 | 7.6 | 76 |
| 38422012 | 12 | 0.315 | 8.0 | 87 |
| 38422014 | 14 | 0.335 | 8.5 | 100 |
| 38422016 | 16 | 0.350 | 8.9 | 112 |
| 38422018 | 18 | 0.370 | 9.4 | 125 |
| 38422020 | 20 | 0.386 | 9.8 | 138 |
| 38422025 | 25 | 0.417 | 10.6 | 161 |
| 38422030 | 30 | 0.453 | 11.5 | 190 |
| 38422036 | 36 | 0.469 | 11.9 | 220 |
| 38422042 | 42 | 0.539 | 13.7 | 263 |

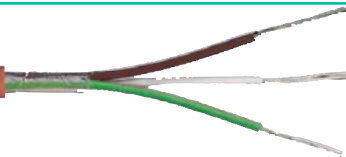
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ETFE, FEP, PFA CABLES



TD 842 (ST) F FEP insulated connection cable with wider temperature range, colored conductors and electrostatic screen

842 (ST) F 20/7 AWG/3c AWM Style 20229 150°C 300V CE



Marking for TD 842 (ST) F 38420320:

SAB BRÖCKSKES · D-VIERSEN · TD 842 (ST) F 20/7 AWG/3c AWM Style 20229 150°C 300V CE

TD 842 (ST) F is a UL recognized shielded 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 842 (ST) F is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6Y11 acc. to DIN VDE 0207 part 6 |
| Color code: | acc. to color code US 4 see page N/26 |
| Stranding: | in layers |
| Wrapping: | PETP foil |
| Drain wire: | tinned copper strands acc. to ASTM B 286 |
| Wrapping: | alu foil |
| Slitting cord: | Aramid-therad 1580 dtex under the jacket |
| Jacket material: | FEP, 6YM1 acc. to DIN VDE 0207 part 6 |
| Jacket color: | tan |

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

Technical data:

| | |
|---|---|
| Voltage: | UL: 300 V |
| Peak operating voltage: | max. 900 V |
| Testing voltage: | conductor/conductor 2000 V conductor/shield 600 V (ST) |
| Min. bending radius <i>fixed installation:</i> <i>free movement:</i> | 5 x O.D. 10 x O.D. |
| Temperature range <i>static:</i> <i>flexing:</i> | DIN VDE: -90/+180 °C -55/+180 °C UL: up to +150 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 |
| Oil resistance: | 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 page N/28 |

| item no. | no. of conductors | nominal outer-ø inch | mm | cable weight ≈ lbs/mft |
|----------|-------------------|-------------------------|----|---------------------------|
|----------|-------------------|-------------------------|----|---------------------------|

▶ 18/7 AWG

| | | | | |
|----------|----|-------|------|-----|
| 38421802 | 2 | 0.193 | 4.9 | 34 |
| 38421803 | 3 | 0.205 | 5.2 | 42 |
| 38421804 | 4 | 0.240 | 6.1 | 54 |
| 38421805 | 5 | 0.264 | 6.7 | 65 |
| 38421806 | 6 | 0.283 | 7.2 | 75 |
| 38421808 | 8 | 0.323 | 8.2 | 97 |
| 38421810 | 10 | 0.343 | 8.7 | 105 |
| 38421812 | 12 | 0.358 | 9.1 | 121 |
| 38421814 | 14 | 0.378 | 9.6 | 139 |
| 38421816 | 16 | 0.402 | 10.2 | 157 |
| 38421818 | 18 | 0.421 | 10.7 | 175 |
| 38421820 | 20 | 0.441 | 11.2 | 194 |
| 38421825 | 25 | 0.492 | 12.5 | 235 |
| 38421830 | 30 | 0.528 | 13.4 | 277 |
| 38421836 | 36 | 0.551 | 14.0 | 322 |
| 38421842 | 42 | 0.618 | 15.7 | 373 |

| item no. | no. of conductors | nominal outer-ø inch | mm | cable weight ≈ lbs/mft |
|----------|-------------------|-------------------------|----|---------------------------|
|----------|-------------------|-------------------------|----|---------------------------|

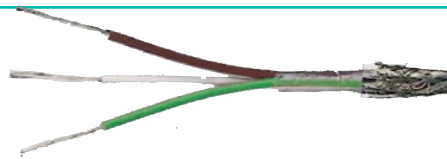
▶ 16/7 AWG

| | | | | |
|----------|----|-------|------|-----|
| 38421602 | 2 | 0.209 | 5.3 | 42 |
| 38421603 | 3 | 0.217 | 5.5 | 52 |
| 38421604 | 4 | 0.260 | 6.6 | 67 |
| 38421605 | 5 | 0.283 | 7.2 | 80 |
| 38421606 | 6 | 0.307 | 7.8 | 94 |
| 38421608 | 8 | 0.354 | 9.0 | 123 |
| 38421610 | 10 | 0.370 | 9.4 | 133 |
| 38421612 | 12 | 0.390 | 9.9 | 153 |
| 38421614 | 14 | 0.413 | 10.5 | 177 |
| 38421616 | 16 | 0.433 | 11.0 | 199 |
| 38421618 | 18 | 0.457 | 11.6 | 222 |
| 38421620 | 20 | 0.492 | 12.5 | 253 |
| 38421625 | 25 | 0.535 | 13.6 | 298 |
| 38421630 | 30 | 0.579 | 14.7 | 353 |
| 38421636 | 36 | 0.598 | 15.2 | 411 |
| 38421642 | 42 | 0.665 | 16.9 | 476 |

Other dimensions and colors are possible on request.

ETFE, FEP, PFA CABLES

TD 845 DS Double shielded FEP insulated connection cable with wider temperature range, colored conductors and copper screen



TD 845 DS 20/7 AWG/3c AWM Style 20229 150°C 300V

Marking for TD 845 DS 38450320:

SAB BRÖCKSKES · D-VIERSEN · TD 845 DS 20/7 AWG/3c AWM Style 20229 150°C 300V

TD 845 DS is a UL recognized foil shielded copper braided 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 845 DS is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6YI1 acc. to DIN VDE 0207 part 6 |
| Color code: | acc. to color code US 4 see page N/26 |
| Stranding: | in layers |
| Wrapping: | PETP foil |
| Drain wire: | tinned copper strands acc. to ASTM B 286 |
| Wrapping: | alu/P/alu foil, coated on both sides |
| Screen: | tinned copper braiding |
| Slitting cord: | Aramid-therad 1580 dtex under the jacket |
| Jacket material: | FEP, 6YM1 acc. to DIN VDE 0207 part 6 |
| Jacket color: | tan |

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

Technical data:

| | |
|---------------------------------------|---|
| Voltage: | UL: 300 V |
| Peak operating voltage: | max. 900 V |
| Testing voltage: | conductor/conductor 2000 V conductor/shield 1000 V conductor/shield 600 V (ST) |
| Min. bending radius | 5 x O.D. |
| <i>fixed installation:</i> | 10 x O.D. |
| <i>free movement:</i> | |
| Temperature range | DIN VDE: UL: up to +150 °C |
| <i>static:</i> | -90/+180 °C |
| <i>flexing:</i> | -55/+180 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 |
| Oil resistance: | 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 page N/28 |

| item no. | no. of conductors | nominal outer- ϕ inch | nominal outer- ϕ mm | cable weight \approx lbs/mft |
|-------------------|-------------------|----------------------------|--------------------------|--------------------------------|
| ▶ 24/7 AWG | | | | |
| 38452402 | 2 | 0.173 | 4.4 | 23 |
| 38452403 | 3 | 0.185 | 4.7 | 27 |
| 38452404 | 4 | 0.197 | 5.0 | 32 |
| 38452405 | 5 | 0.209 | 5.3 | 36 |
| 38452406 | 6 | 0.224 | 5.7 | 41 |
| 38452408 | 8 | 0.252 | 6.4 | 52 |
| 38452410 | 10 | 0.264 | 6.7 | 54 |
| 38452412 | 12 | 0.276 | 7.0 | 61 |
| 38452414 | 14 | 0.287 | 7.3 | 68 |
| 38452415 | 15 | 0.287 | 7.3 | 71 |
| 38452416 | 16 | 0.303 | 7.7 | 75 |
| 38452418 | 18 | 0.315 | 8.0 | 82 |
| 38452420 | 20 | 0.327 | 8.3 | 89 |
| 38452425 | 25 | 0.354 | 9.0 | 103 |
| 38452430 | 30 | 0.378 | 9.6 | 119 |
| 38452436 | 36 | 0.394 | 10.0 | 135 |
| 38452442 | 42 | 0.445 | 11.3 | 162 |

| item no. | no. of conductors | nominal outer- ϕ inch | nominal outer- ϕ mm | cable weight \approx lbs/mft |
|-------------------|-------------------|----------------------------|--------------------------|--------------------------------|
| ▶ 22/7 AWG | | | | |
| 38452202 | 2 | 0.185 | 4.7 | 27 |
| 38452203 | 3 | 0.197 | 5.0 | 32 |
| 38452204 | 4 | 0.213 | 5.4 | 38 |
| 38452205 | 5 | 0.228 | 5.8 | 44 |
| 38452206 | 6 | 0.244 | 6.2 | 51 |
| 38452208 | 8 | 0.280 | 7.1 | 65 |
| 38452210 | 10 | 0.287 | 7.3 | 68 |
| 38452212 | 12 | 0.299 | 7.6 | 76 |
| 38452214 | 14 | 0.315 | 8.0 | 86 |
| 38452216 | 16 | 0.331 | 8.4 | 96 |
| 38452218 | 18 | 0.346 | 8.8 | 106 |
| 38452220 | 20 | 0.362 | 9.2 | 115 |
| 38452225 | 25 | 0.390 | 9.9 | 132 |
| 38452230 | 30 | 0.425 | 10.8 | 162 |
| 38452236 | 36 | 0.449 | 11.4 | 184 |
| 38452242 | 42 | 0.504 | 12.8 | 219 |

| item no. | no. of conductors | nominal outer- ϕ inch | nominal outer- ϕ mm | cable weight \approx lbs/mft |
|-------------------|-------------------|----------------------------|--------------------------|--------------------------------|
| ▶ 20/7 AWG | | | | |
| 38452002 | 2 | 0.201 | 5.1 | 33 |
| 38452003 | 3 | 0.217 | 5.5 | 41 |
| 38452004 | 4 | 0.232 | 5.9 | 48 |
| 38452005 | 5 | 0.252 | 6.4 | 57 |
| 38452006 | 6 | 0.272 | 6.9 | 65 |
| 38452008 | 8 | 0.303 | 7.7 | 83 |
| 38452010 | 10 | 0.319 | 8.1 | 89 |
| 38452012 | 12 | 0.335 | 8.5 | 100 |
| 38452014 | 14 | 0.354 | 9.0 | 114 |
| 38452016 | 16 | 0.370 | 9.4 | 126 |
| 38452018 | 18 | 0.390 | 9.9 | 141 |
| 38452020 | 20 | 0.406 | 10.3 | 153 |
| 38452025 | 25 | 0.445 | 11.3 | 185 |
| 38452030 | 30 | 0.492 | 12.5 | 225 |
| 38452036 | 36 | 0.508 | 12.9 | 255 |
| 38452042 | 42 | 0.567 | 14.4 | 297 |

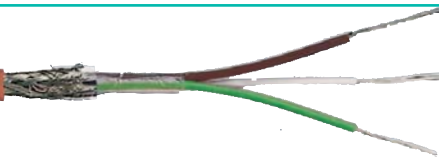
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ETFE, FEP, PFA CABLES



TD 845 DS Double shielded FEP insulated connection cable with wider temperature range, colored conductors and copper screen

5 DS 20/7 AWG/3c AWM Style 20229 150°C 300V CE



Marking for TD 845 DS 38450320:

SAB BRÖCKSKES · D-VIERSEN · TD 845 DS 20/7 AWG/3c AWM Style 20229 150°C 300V CE

TD 845 DS is a UL recognized foil shielded copper braided 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 845 DS is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6Y11 acc. to DIN VDE 0207 part 6 |
| Color code: | acc. to color code US 4 see page N/26 |
| Stranding: | in layers |
| Wrapping: | PETP foil |
| Drain wire: | tinned copper strands acc. to ASTM B 286 |
| Wrapping: | alu/P/alu foil, coated on both sides |
| Screen: | tinned copper braiding |
| Slitting cord: | Aramid-therad 1580 dtex under the jacket |
| Jacket material: | FEP, 6YM1 acc. to DIN VDE 0207 part 6 |
| Jacket color: | tan |

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

Technical data:

| | |
|---------------------------------------|---|
| Voltage: | UL: 300 V |
| Peak operating voltage: | max. 900 V |
| Testing voltage: | conductor/conductor 2000 V conductor/shield 1000 V conductor/shield 600 V (ST) |
| Min. bending radius | |
| <i>fixed installation:</i> | 5 x O.D. |
| <i>free movement:</i> | 10 x O.D. |
| Temperature range | DIN VDE: UL: up to +150 °C |
| <i>static:</i> | -90/+180 °C |
| <i>flexing:</i> | -55/+180 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 |
| Oil resistance: | 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 page N/28 |

| item no. | no. of conductors | nominal outer- ϕ inch | nominal outer- ϕ mm | cable weight \approx lbs/mft | item no. | no. of conductors | nominal outer- ϕ inch | nominal outer- ϕ mm | cable weight \approx lbs/mft |
|-------------------|-------------------|----------------------------|--------------------------|--------------------------------|-------------------|-------------------|----------------------------|--------------------------|--------------------------------|
| ▶ 18/7 AWG | | | | | ▶ 16/7 AWG | | | | |
| 38451802 | 2 | 0.224 | 5.7 | 43 | 38451602 | 2 | 0.236 | 6.0 | 52 |
| 38451803 | 3 | 0.240 | 6.1 | 53 | 38451603 | 3 | 0.256 | 6.5 | 63 |
| 38451804 | 4 | 0.260 | 6.6 | 64 | 38451604 | 4 | 0.280 | 7.1 | 78 |
| 38451805 | 5 | 0.280 | 7.1 | 75 | 38451605 | 5 | 0.303 | 7.7 | 92 |
| 38451806 | 6 | 0.303 | 7.7 | 87 | 38451606 | 6 | 0.327 | 8.3 | 106 |
| 38451808 | 8 | 0.343 | 8.7 | 111 | 38451608 | 8 | 0.370 | 9.4 | 136 |
| 38451810 | 10 | 0.362 | 9.2 | 119 | 38451610 | 10 | 0.390 | 9.9 | 148 |
| 38451812 | 12 | 0.378 | 9.6 | 137 | 38451612 | 12 | 0.409 | 10.4 | 169 |
| 38451814 | 14 | 0.398 | 10.1 | 155 | 38451614 | 14 | 0.433 | 11.0 | 201 |
| 38451816 | 16 | 0.429 | 10.9 | 182 | 38451616 | 16 | 0.465 | 11.8 | 227 |
| 38451818 | 18 | 0.449 | 11.4 | 200 | 38451618 | 18 | 0.496 | 12.6 | 257 |
| 38451820 | 20 | 0.469 | 11.9 | 221 | 38451620 | 20 | 0.520 | 13.2 | 284 |
| 38451825 | 25 | 0.520 | 13.2 | 265 | 38451625 | 25 | 0.563 | 14.3 | 332 |
| 38451830 | 30 | 0.555 | 14.1 | 307 | 38451630 | 30 | 0.606 | 15.4 | 387 |
| 38451836 | 36 | 0.579 | 14.7 | 356 | 38451636 | 36 | 0.634 | 16.1 | 460 |
| 38451842 | 42 | 0.654 | 16.6 | 422 | 38451642 | 42 | 0.693 | 17.6 | 530 |

Other dimensions and colors are possible on request.

E-mail: info@sabcable.com

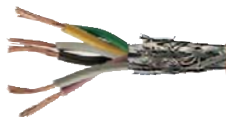


Web site: www.sabcable.com

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ETFE, FEP, PFA CABLES

TD 846 DS TP Paired, double shielded FEP insulated foil shielded and copper braiding data cable



VIERSEN · TD 846 DS TP 20/7 AWG/3pr AWM Style 20229 150°C

Marking for TD 846 DS TP 38460320:
SAB BRÖCKSKES · D-VIERSEN · TD 846 DS TP 20/7 AWG/3pr AWM Style 20229 150°C 300V

TD 846 DS TP is a UL recognized foil shielded copper braided 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 845 DS TP is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

| | |
|-------------------------|--|
| Conductor: | tinned copper strands acc. to ASTM B 286 |
| Insulation: | FEP, 6Y11 acc. to DIN VDE 0207-6 |
| Color code: | acc. to color code US 5 see page N/26 |
| Stranding: | pairwise, pairs totally twisted with special adjusted layering |
| Wrapping: | PETP foil |
| Drain wire: | tinned copper strands acc. to ASTM B 286 |
| Wrapping: | alu/P/alu foil, coated on both sides |
| Screen: | tinned copper braiding |
| Slitting cord: | Aramid-therad 1580 dtex under the jacket |
| Jacket material: | FEP, 6YM1 acc. to DIN VDE 0207-6 |
| Jacket color: | tan |

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

Technical data:

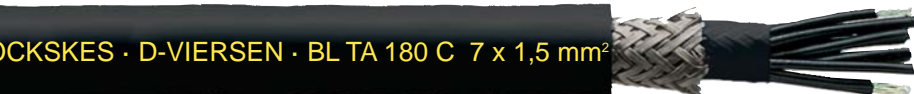
| | |
|---------------------------------------|---|
| Voltage: | UL: 300 V |
| Peak operating voltage: | max. 900 V |
| Testing voltage: | conductor/conductor 2000 V conductor/shield 1000 V conductor/shield 600 V (ST) |
| Min. bending radius | |
| <i>fixed installation:</i> | 5 x O.D. |
| <i>free movement:</i> | 10 x O.D. |
| Temperature range | DIN VDE: UL: up to +150 °C |
| <i>static:</i> | -90/+180 °C |
| <i>flexing:</i> | -55/+180 °C |
| Burning characteristics: | flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1 |
| Oil resistance: | 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 page N/28 |

| item no. | no. of pairs | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft | item no. | no. of pairs | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft | item no. | no. of pairs | nominal outer-ø inch | nominal outer-ø mm | cable weight ≈ lbs/mft |
|-------------------|--------------|----------------------|--------------------|------------------------|-------------------|--------------|----------------------|--------------------|------------------------|--|--------------|----------------------|--------------------|------------------------|
| ▶ 24/7 AWG | | | | | ▶ 20/7 AWG | | | | | ▶ 16/19 AWG | | | | |
| 38462402 | 2 | 0.240 | 6.1 | 34 | 38462002 | 2 | 0.283 | 7.2 | 50 | 38461602 | 2 | 0.339 | 8.6 | 80 |
| 38462403 | 3 | 0.268 | 6.8 | 42 | 38462003 | 3 | 0.323 | 8.2 | 65 | 38461603 | 3 | 0.386 | 9.8 | 105 |
| 38462404 | 4 | 0.307 | 7.8 | 50 | 38462004 | 4 | 0.370 | 9.4 | 79 | 38461604 | 4 | 0.449 | 11.4 | 131 |
| 38462405 | 5 | 0.327 | 8.3 | 60 | 38462005 | 5 | 0.402 | 10.2 | 97 | 38461605 | 5 | 0.500 | 12.7 | 167 |
| 38462406 | 6 | 0.339 | 8.6 | 67 | 38462006 | 6 | 0.413 | 10.5 | 111 | 38461606 | 6 | 0.512 | 13.0 | 195 |
| 38462407 | 7 | 0.354 | 9.0 | 78 | 38462007 | 7 | 0.469 | 10.9 | 127 | 38461607 | 7 | 0.551 | 14.0 | 229 |
| 38462410 | 10 | 0.406 | 10.3 | 92 | 38462010 | 10 | 0.508 | 12.9 | 165 | 38461610 | 10 | 0.661 | 16.8 | 288 |
| 38462414 | 14 | 0.480 | 12.2 | 128 | 38462014 | 14 | 0.606 | 15.4 | 223 | 38461614 | 14 | 0.760 | 19.3 | 391 |
| 38462418 | 18 | 0.516 | 13.1 | 157 | 38462018 | 18 | 0.654 | 16.6 | 277 | 38461618 | 18 | 0.819 | 20.8 | 489 |
| 38462425 | 25 | 0.594 | 15.1 | 204 | 38462025 | 25 | 0.752 | 19.1 | 366 | 38461625 | 25 | 0.969 | 24.6 | 671 |
| ▶ 22/7 AWG | | | | | ▶ 18/7 AWG | | | | | Other dimensions and colors are possible on request. | | | | |
| 38462202 | 2 | 0.256 | 6.5 | 44 | 38461802 | 2 | 0.319 | 8.1 | 67 | | | | | |
| 38462203 | 3 | 0.291 | 7.4 | 51 | 38461803 | 3 | 0.362 | 9.2 | 85 | | | | | |
| 38462204 | 4 | 0.331 | 8.4 | 62 | 38461804 | 4 | 0.417 | 10.6 | 107 | | | | | |
| 38462205 | 5 | 0.358 | 9.1 | 75 | 38461805 | 5 | 0.453 | 11.5 | 130 | | | | | |
| 38462206 | 6 | 0.370 | 9.4 | 85 | 38461806 | 6 | 0.472 | 12.0 | 151 | | | | | |
| 38462207 | 7 | 0.386 | 9.8 | 97 | 38461807 | 7 | 0.496 | 12.6 | 179 | | | | | |
| 38462210 | 10 | 0.449 | 11.4 | 118 | 38461810 | 10 | 0.591 | 15.0 | 231 | | | | | |
| 38462214 | 14 | 0.543 | 13.8 | 171 | 38461814 | 14 | 0.689 | 17.5 | 304 | | | | | |
| 38462218 | 18 | 0.587 | 14.9 | 209 | 38461818 | 18 | 0.752 | 19.1 | 390 | | | | | |
| 38462225 | 25 | 0.657 | 16.7 | 264 | 38461825 | 25 | 0.890 | 22.6 | 538 | | | | | |

ETFE, FEP, PFA CABLES



BlueLine TA 180 C Flexible FEP-Connection cables with overall copper screen



Marking for BlueLine TA 180 C 37530715:

SAB BRÖCKSKES · D-VIERSEN · BL TA 180 C 7 x 1,5 mm² GL CE 37/11

The BlueLine TA 180 C has been developed particularly for applications in areas with extreme environmental influences. This cable is suitable for adverse conditions in engine rooms, even under extreme ambient temperatures. It is both oil and fuel resistant and has very good chemical resistances. Besides an excellent fire performance as well as rugged construction the BlueLine TA 180 C type convinces with very high flexibility and extremely good handling during installation. The screened control cable with fluorine plastic insulation is designed for example the use at control panels for ship diesel engines.

Construction:

| | |
|-----------------------|---|
| Conductor: | tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 |
| Insulation: | FEP |
| Colour code: | black conductors with consecutive numbers acc. to EN 50334, without green-yellow earth wire |
| Stranding: | in layers |
| Inner sheath: | Besilen® |
| Screen: | tinned copper braiding |
| Sheath: | FEP |
| Sheath colour: | black |

Outstanding features:

- no flame propagation
- flame retardant and self-extinguishing
- good EMC characteristics*
- oil and fuel resistant
- good chemical resistance
- high cold and heat resistance
- approvals:
Germanischer Lloyds

* Copper braiding should be connected circularly to optimize the EMC characteristics

Technical data:

| | |
|---------------------------------------|--|
| Nominal voltage: | U ₀ /U 300/500 V |
| Testing voltage: | 2000 V (AC) |
| Min. bending radius | |
| <i>fixed laying</i> | 5 x O. D. |
| <i>flexible application:</i> | 10 x O. D. |
| Radiation resistance: | 1 x 10 ⁷ cJ/kg |
| Temperature range | |
| <i>fixed laying:</i> | -55/+180 °C |
| <i>flexible application:</i> | -55/+180 °C |
| Burning characteristics: | no flame propagation acc. to IEC 60332-3-22 + DIN EN 60332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + DIN EN 60332-1-2 |
| Oil and fuel resistance: | very good |
| Flexibility: | good |
| Halogen-free: | not fulfilled |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page N/28 |

Possible on request:

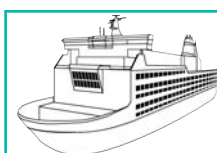


- bare copper strands
- alternative colour code and sheath colour
for an improved uv resistance we recommend a black outer sheath

| item no. | no. of pairs | nominal outer-ø inch | mm | cable weight ≈ lbs/mft |
|---|--------------|----------------------|------|------------------------|
| ▶ 19 AWG (≈ 23/32) • 0.75 mm ² | | | | |
| 37530207 | 2 | 0.217 | 5.5 | 39 |
| 37530307 | 3 | 0.228 | 5.8 | 46 |
| 37530507 | 5 | 0.272 | 6.9 | 67 |
| 37530607 | 6 | 0.295 | 7.5 | 78 |
| 37530707 | 7 | 0.295 | 7.5 | 82 |
| 37530807 | 8 | 0.319 | 8.1 | 93 |
| 37531207 | 12 | 0.394 | 10.0 | 136 |
| 37531607 | 16 | 0.441 | 11.2 | 176 |
| 37532007 | 20 | 0.496 | 12.6 | 224 |

| item no. | no. of pairs | nominal outer-ø inch | mm | cable weight ≈ lbs/mft |
|--|--------------|----------------------|------|------------------------|
| ▶ 18 AWG (≈ 30/32) • 1.00 mm ² | | | | |
| 37530210 | 2 | 0.224 | 5.7 | 43 |
| ▶ 16 AWG (≈ 27-29/30) • 1.50 mm ² | | | | |
| 37530215 | 2 | 0.252 | 6.4 | 54 |
| 37530315 | 3 | 0.264 | 6.7 | 65 |
| 37530515 | 5 | 0.315 | 8.0 | 97 |
| 37530615 | 6 | 0.346 | 8.8 | 115 |
| 37530715 | 7 | 0.346 | 8.8 | 122 |
| 37531215 | 12 | 0.465 | 11.8 | 208 |

Other dimensions and colors are possible on request.



especially for use in shipbuilding industry