

Tray & VFD Cables

VFD XLPE TR Lean

Variable frequency drive - double shielded VFD cable with XLPE insulation
Type TC-ER

NFPA 79
for industrial
machinery

SABVFD

600V FT4, CSA AWM I/II A/B 90C 1000V FT4 RoHS CE



Marking for VFD XLPE TR LEAN 35661404:

SAB NORTH AMERICA VFD XLPE TR LEAN P/N 35661404 (UL) Type TC-ER 14AWG/3C XHHW-2 CDRS + GNDG CDR 90C Dry/Wet 600V, Oil Res I & II, Sunlight Resistant, Direct Burial, (UL) WTTC 1000V, (UL) Flexible Motor Supply Cable, c(UL) CIC-TC XLPE 600V FT4, CSA AWM I/II A/B 90C 1000V FT4 RoHS CE

Construction:

| | |
|-------------------------|---|
| Conductor: | tinned copper strands class K |
| Insulation: | special formulated crosslinked PE, ground wire PVC |
| Color code: | black conductors with consecutive white numbers and green/yellow ground |
| Stranding: | in layers |
| Shielding: | double shield, AMA foil and tinned copper braiding |
| Jacket material: | special sunlight and oil resistant copolymer |
| Jacket color: | black (RAL 9005) |

Outstanding features:

- interconnection of variable frequency drive control device to variable frequency motors
- UL 90°C wet
- WTTC: UL subject 2277
- TC-ER: UL standard 1277
- UL flexible motor supply cable 1000 V recommended for installations up to 100ft
- Oil Res I & II
- double shielded (100% shielded)
- Class 1 Div 2 per NEC Article 501.4 (B)

Technical data:

| | |
|---------------------------------------|--|
| Voltage: | (UL) / c(UL): 600 V |
| | CSA-AWM: 1000 V |
| | (UL) WTTC: 1000 V |
| Testing voltage: | 3000 V |
| Min. bending radius: | 12 x O.D. |
| Temperature range: | (UL) / c(UL) / CSA-AWM: up to +90°C |
| <i>static:</i> | -40/105°C |
| Burning characteristics: | (UL) / c(UL) FT4, c(UL) / CSA-AWM FT1, FT2 |
| Oil resistance I & II: | yes |
| Sunlight resistance: | yes |
| Exposed runs: | yes |
| Cold bend test: | -40°C |
| Direct burial: | yes |
| Approvals: | UL TC-ER, UL WTTC, c(UL) CIC-TC, CSA AWM, CE, RoHS |
| Absence of harmful substances: | acc. to RoHS directive of the European Union see page O/30 |

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25

| item no. | AWG/c | nominal outer-ø | | cable weight ≈lbs/mft |
|------------|-------|-----------------|-----------|--------------------------|
| | | inch 10% | mm 10% | |
| ▶ 35661804 | 18/4c | 0.383 | 9.7 | 94 |
| ▶ 35661604 | 16/4c | 0.423 | 10.7 | 120 |
| ▶ 35661404 | 14/4c | 0.468 | 11.9 | 153 |
| ▶ 35661204 | 12/4c | 0.530 | 13.5 | 207 |
| ▶ 35661004 | 10/4c | 0.606 | 15.4 | 286 |
| ▶ 35660804 | 8 /4c | 0.814 | 20.7 | 471 |

Other dimensions and colors are possible on request.

* UL TC-ER-JP (joist pull) available upon request



- Temperature resistant down to -40°C
- Heavy duty application