

# ÖLFLEX® POWER MULTI

Flexible, oil resistant Power Cord: (UL) listed for Tray + Extra-hard usage per NEC; NFPA 79

ÖLFLEX® TC + Extra-hard usage Flexible Cord STOOW 600 V, NEC Art 336+400, OIL RES II, DIR. BUR., FT4, IEC 300/500 V, NEC Art 501 Class I Division 1, IEC Class 5

Flexible Cord STOOW for NEC Extra-hard usage in the USA  
(NFPA 70/NEC), NFPA 79  
FT4 + OIL RES I/II



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data sheet

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## ÖLFLEX® POWER MULTI



Suitability for different operation types and locations in the USA as per NFPA/ NEC under one LAPP part number, thanks to UL listings (UL) STOOW and (UL) TC, resp. TC-ER, as well as thanks to design and characteristics associated with these listings  
Apart from unprotected laying on tray in the USA thanks to TC(-ER) listing: ...further, normatively specified, unprotected wiring methods in the USA per application related NEC Articles, thanks to (UL) listing STOOW/ Extra-hard usage Flexible Cord

Industrial machinery, plant engineering in the USA

Unprotected 600V operation on cable tray in the USA, incl. 6 ft. Exposed Run laying sections for version with at least 3 conductors

As per Article 400 of NEC/ NFPA 70: General Uses Permitted in the USA and General Uses Not Permitted to the overall group of Flexible Cords and Flexible Cables acc. to UL 62;

Operating bids and limitations for Flexible Cords in special applications acc. to further NEC Articles, such as 501 (Class I Locations), 422 (Appliances), or 520 (specific locations for play and production of entertainment), etc.

Further, typical locations in the USA, as specified by respective US installation standardization (e.g., NEC/ NFPA 70): Power cord for equipment, paint booths, appliances, factory installations (branch circuit), any power hook-up in the plant, for harnessed power connecting or extension cord set assemblies

In hazardous locations in the USA, as per Chapter 5 of NEC/ NFPA 70: Classes I thru III, Divisions 1 and 2 each, plus intrinsically safe circuits, taking account of:

- Provisions on cable design, cable type, installation, application in NEC Chapter 5 (esp.: Articles 500 thru 504);
- This cable's design, approvals, component identification

Highly flame retardant FT4

Highly oil resistant OIL RES I/II

Tested sunlight resistant per UL 1277, UL 62, UL 2556 in terms of UV resistance

Tested for unprotected, direct burial in the USA per UL 1277

Certified by UL per UL 1277 for TC 600V use in the USA, subject to individual third-party inspection: Generally UL Type TC (Tray Cable), and for at least 3 or more conductors TC-ER (Tray Cable for Exposed Run) in addition [UL CCN: QPOR; UL File No.: E171371]

Certified by UL per UL 62 for STOOW use in the USA, subject to individual third-party inspection: UL Type STOOW (Extra-hard usage Flexible Cord) [UL CCN: ZJCZ; UL File No.: E146118]

Certified by UL per CSA C22.2 No. 239, and CSA C22.2 No. 230 for possible CIC/TC use in Canada, subject to individual third-party inspection: c(UL) CIC/TC FT4 [UL CCN: QPOR7; UL File No.: E171371]

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Certified by UL per CSA C22.2 No. 49 for STOOW use in Canada, subject to individual third-party inspection: c(UL) STOOW [UL CCN: ZJCZ7; UL File No.: E146118]

Certified by CSA per CSA C22.2 No. 210 for AWM use in Canada, subject to individual third-party inspection: CSA AWM II A/B FT4

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Specially formulated PVC insulation

Durable, black sheath made of specially formulated thermoplastic polymer for improved service life

ETIM 5:

ETIM 5.0 Class-ID: EC001578

ETIM 5.0 Class 가

ETIM 6:

ETIM 6.0 Class-ID: EC001578

ETIM 6.0 Class :

:

- Coloured conductors with numbers, plus ground in green/yellow (30 % stripe width);  
- For 2-conductor cable only: No green/ yellow ground

- Example 3 conductors:

BLACK conductor: "1 - ONE"

WHITE conductor: "2 - TWO"

GREEN/YELLOW conductor: No Numbers

- Colour code:

2C: Black, White

3C: Black, White, Green-Yellow

4C: Black, White, Red, Green-Yellow

5C: Black, White, Red, Brown, Green-Yellow

6C or more: Black with white numbers, except for the included Green-Yellow ground

:

DIN EN 60228(VDE 0295), class 5 / IEC 60228 class 5  
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Installation: 4 x outer diameter

:

UL/CSA TC/STOOW: 600 V  
IEC U0/U: 300/500 V

:

2000 V

:

G = GN/YE

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UL/CSA TC: -25°C to +90°C;  
Occasional flexing/ North America: -25°C to +105°C;  
Fixed installation/ North America: -40°C to 105°C

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www.lappkabel.de/en/cable-standradlengths

: ≤ 30 kg or ≤ 250 m,

. (e.g. 1 x 610 m or 8 x 76 m ).

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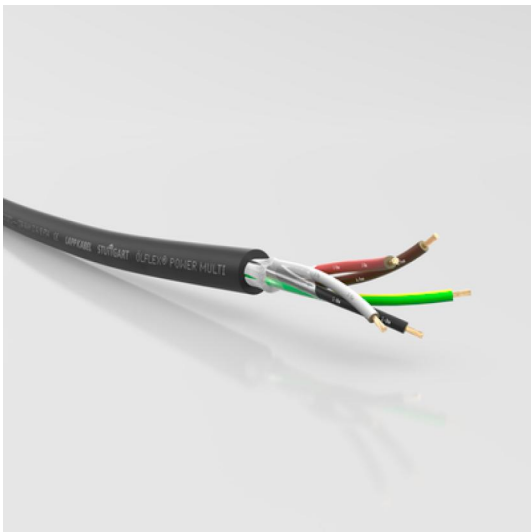
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# ÖLFLEX® POWER MULTI

|        | (CORE) /<br>(mm <sup>2</sup> ) | (mm) | (kg/km) | (kg/km) |
|--------|--------------------------------|------|---------|---------|
| 611803 | 3 G 1.0                        | 9.4  | 29.763  | 92      |
| 611804 | 4 G 1.0                        | 10.1 | 38.692  | 106     |
| 611805 | 5 G 1.0                        | 12.0 | 49.109  | 122     |
| 611812 | 12 G 1.0                       | 16.1 | 115.195 | 260     |
| 611603 | 3 G 1.5                        | 10.1 | 43.157  | 110     |
| 611604 | 4 G 1.5                        | 10.9 | 58.038  | 128     |
| 611605 | 5 G 1.5                        | 12.9 | 72.027  | 153     |
| 611612 | 12 G 1.5                       | 18.3 | 172.775 | 330     |
| 611618 | 18 G 1.5                       | 20.9 | 259.237 | 440     |
| 611625 | 25 G 1.5                       | 24.5 | 360.134 | 598     |
| 611403 | 3 G 2.5                        | 13.8 | 72.027  | 137     |
| 611404 | 4 G 2.5                        | 14.8 | 96.73   | 167     |
| 611405 | 5 G 2.5                        | 16.8 | 120.541 | 198     |
| 611203 | 3 G 4.0                        | 16.0 | 115.183 | 188     |
| 611205 | 5 G 4.0                        | 18.8 | 191.972 | 286     |
| 611003 | 3 G 6.0                        | 17.2 | 172.775 | 342     |
| 611004 | 4 G 6.0                        | 18.6 | 230.664 | 402     |
| 610803 | 3 G 10.0                       | 21.3 | 288.702 | 641     |
| 610804 | 4 G 10.0                       | 24.0 | 383.944 | 844     |

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