

TPE Control Cables

Chainflex® CF99

TPE Energy Chain® Cable, shielded control cable for reduced bend radius, oil-resistant, bio-oil-resistant, PVC-free, halogen-free, UV-resistant, abrasion and tear resistant, low temperature flexibility

Construction

Conductors: Conductor consisting of a highly flexible special alloy

Conductor insulation: Mechanically high-quality TPE mixture

Conductor twisting: Conductors stranded in one layer with especially short pitch length.

Conductor colors: In accordance with DIN 47100.

Inner Jacket: TPE

Shield: Alloy strand braid, coverage approx. 90% optical

Outer jacket: Low-adhesion mixture on the basis of TPE. Especially abrasion-resistant and highly flexible. Silicon-free in compliance with PV 3.10.7 - status 1992. **Color:** dark blue (RAL 5011).

Technical Data:

Minimum bending radius, moving: 4 x outer cable diameter

Minimum bending radius, fixed: 3 x outer cable diameter

Permissible temperature, moving: -31°F to +194°F (-35°C to +90°C)

Permissible temperature, fixed: -40°F to +194°F (-40°C to +90°C)

UV-resistance: High

Oil-resistance: High

Voltage: 300V

Testing voltage: 1500 V

Regulations: CE, RoHS: 2002/95/EC; Please reference the Design Section (Chapter 1) for more information.

Cleanroom: According to ISO Class 1

Typical Applications

- for maximum load requirements at 4 x d
- indoor and outdoor applications
- especially for short, very fast applications with small radii and tight design space
- automatic insertion machines. automatic doors, cleanroom, very quick handling, low temperature locations

Part No.	AWG	No. of Conductors and Rated Cross-Section in mm ²	Outer Diameter (approx) in. (mm)	Copper Index lbs/mft (kg/km)	Weight lbs/mft (kg/km)
CF99-01-02	26	2 x 0.14	.22 (5.5)	9.07 (13.5)	22.18 (33)
CF99-01-04	26	4 x 0.14	.24 (6.0)	14.11 (21.0)	28.90 (43)
CF99-01-08	26	8 x 0.14	.31 (8.0)	24.19 (36.0)	46.37 (69)
CF99-02-04	24	4 x 0.25	.26 (6.5)	20.16 (30.0)	37.63 (56)
CF99-02-07	24	7 x 0.25	.31 (8.0)	32.26 (48.0)	57.12 (85)



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number

10.87