

CF98

CLASS  
7.4.4

Price Index



# TPE Control Cables

## Chainflex® CF98

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

**Conductor**  
Extremely highly flexible special alloy

**Strain relief**  
Center core for high tensile stresses

**Core**  
Braiding in layers with extremely short pitch

**Outer jacket**  
Gusset-filling, pressure extruded, halogen-free TPE blend



Clean-room

10.86

## Construction

**Conductors:** Special stranded alloy conductors

**Conductor insulation:** TPE, thin-walled version

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

**Conductor colors:** In accordance with DIN 47100.

**Outer jacket:** TPE: particularly abrasion-resistant, high-flex blend, oil-resistant, coolant-resistant. 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
- torsion +/-90° with 3 ft. cable length
- automatic insertion machines. automatic doors, cleanroom, very quick handling, low temperature locations

Part No.	AWG	No. of Conductors and Rated Cross-Section in mm²	Outer Diameter (approx)		Copper Index		Weight	
			in.	(mm)	lbs/mft	(kg/km)	lbs/mft	(kg/km)
CF98-01-02	26	2 x 0.14	.16	(4)	2.7	(4)	7.4	(11)
CF98-01-04	26	4 x 0.14	.20	(5)	5.7	(8.5)	10.8	(16)
CF98-01-08	26	8 x 0.14	.26	(6.5)	10.8	(16)	16.1	(24)
CF98-02-04	24	4 x 0.25	.22	(5.5)	10.8	(16)	20.2	(30)
CF98-02-07	24	7 x 0.25	.26	(6.5)	17.5	(26)	35.6	(53)
CF98-02-08	24	8 x 0.25	.28	(7)	20.2	(30)	40.3	(60)
CF98-03-04	22	4 x 0.34	.22	(5.5)	12.9	(19.0)	23.8	(35.0)
CF98-03-07	22	7 x 0.34	.28	(7)	21.5	(32)	37.0	(55)
CF98-05-04	20	4 x 0.50	.24	(6)	21.0	(31)	27.2	(40)

**NOTE:** The mentioned external diameters are maximum values.

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