

CF98

CLASS
7.4.4

Price Index



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



IGUS CHAINFLEX® CF98

10.86

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

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 mm ²	Outer Diameter (approx) in. (mm)	Copper Index lbs/mft (kg/km)	Weight 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