

F-TPECY SERIES

**High Performance Flexible CBS
Flatform Cable Indoor 0.6/1kV 75°C**



APPLICATIONS:

Materials and Handling Systems Suitable for use in indoor crane and festooning systems, conveyor systems and energy chains.

Confined Spaces With its flat configuration, this cable can be laid in areas subject to space confinements.

Variable Speed Drives Designed for the connection of AC Variable Speed Drives (0.6/1kV cables) or where a flexible EMC screened power cable is required.

PRODUCT FEATURES:

- ▶ Tensile load up to 15 N/mm²
- ▶ Travel speed 180 metres per minute
- ▶ High flexibility
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Resistant to environmental factors such as oxidation, ozone and sunlight
- ▶ Very good behaviour to variations of outdoor temperatures
- ▶ Heat, oil and chemical resistant (*See Technical Section*)

CONSTRUCTION:

Conductor Annealed tinned copper stranded extreme flexibility (Class 5 & 6).

Insulation Special TPE.

Screening Copper screened braiding, 85% minimum coverage (Individually screened cores).

Sheath Special TPE.

CHARACTERISTICS:

Operating Temperature Range Fixed -40°C to 75°C / Flexing -5°C to 70°C.

Maximum Conductor Temperature 75°C (Current ratings are based on 30°C air temp. See technical section for de-rating factors).

Rated Voltage U_o/U 0.6/1kV.

Max AC Operating Voltage U_o 0.7kV.

Minimum Bending Radius Flexing 10 x cable height.

Sheath Colour Black.

Standard Core Colours.

4 Core – Brown, Black, Grey, Green/Yellow.

5 Core – Blue, Brown, Black, Grey, Green/Yellow.

Multi Core – Black Numbered, Green/Yellow.

Relevant Standards VDE 0295, IEC 60332-1, IEC 60228, VDE 0250, VDE 0293-308, **CE** Directive 2006/95/EC, **RoHS** Compliant.

Code	No. of Cores x Size (mm ²)	Approx. Stranding No. of wires x mm	Approx. Overall Diameter + / - 10% (mm)	Approx. Weight (Kg/Km)	Nominal Amps un-enclosed protected from sun @ 30°C fixed application Spaced From Surface	3 Phase Volt Drop @50Hz / MAX. Conductor Temp: 75°C (Mv/Am)
F4/1.5TPECY	4 x 1.5	84/0.15	7.3 x 21.1	99	18	30.000
F4/2.5TPECY	4 x 2.5	140/0.15	8.0 x 23.8	163	26	16.400
F4/4.0TPECY	4 x 4.0	224/0.15	8.9 x 26.8	241	34	10.200
F4/6.0TPECY	4 x 6.0	192/0.20	9.3 x 29.5	353	44	6.800
F4/10TPECY	4 x 10.0	320/0.20	11.6 x 36.4	497	61	4.050
F4/16TPECY	4 x 16.0	512/0.20	12.9 x 40.8	805	82	2.550
F4/25TPECY	4 x 25.0	800/0.20	13.1 x 45.1	1200	108	1.610
F4/35TPECY	4 x 35.0	280/0.40	15.3 x 52.3	1657	135	1.170
F4/50TPECY	4 x 50.0	400/0.40	17.9 x 60.9	2261	168	0.868
F4/70TPECY	4 x 70.0	356/0.50	23.1 x 76.6	3259	207	0.609
F8/1.5TPECY	8 x 1.5	84/0.15	7.3 x 38.2	228	12	30.000
F12/1.5TPECY	12 x 1.5	84/0.15	7.3 x 55.3	342	10	30.000
F12/2.5TPECY	12 x 2.5	140/0.15	8.0 x 63.2	493	14	16.400

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