

# COMPONENT DATA

CABLE MULTI-CONDUCTOR, FLEXIBLE 3 COND, 24 AWG, SHIELDED

Type: Cable

Number of Conductors: 3

Size of Conductors: 24 AWG

Shielding: Tinned Copper Braid, Coverage approx. 90% optical

Overall nominal cable diameter: 0.22 in.

Minimum bend radius: 5x Outer Cable Diameter

Maximum operating voltage: 300V RMS

## SOURCE DATA

SPPAL P/N	IGUS
660.101140	CF240-02-03

REVISION A - SUMMARY ON SHEET 2

DATE	APPROVAL
150210	M ALLAIN
150210	D REDFORD
150210	C HARRIS

COMPONENT SPECIFICATION

TITLE  
**CABLE MULTI-CONDUCTOR, FLEXIBLE 3  
COND, 24 AWG, SHIELDED**

DRAWING NUMBER

660.101140

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OF 4

**SIEMENS**

Siemens Postal, Parcel & Airport Logistics LLC  
2700 Esters Blvd., Suite 200B  
DFW Airport, TX 75261

# SUMMARY OF CHANGES

REV	DESCRIPTION	DATE	WRITER	APPROVED
A	INITIAL RELEASE	150210	MA	DR

VENDOR CONTACT INFORMATION

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CF240

iglus®

# PVC Data Cable

CLASS  
4.2.2

Price Index



Conductor  
Fine wire  
conductor

Core  
Cabled in layers  
with extremely  
short pitch

Overall shield  
Highly flexible  
braided copper  
shield

Outer jacket  
Pressure  
extruded PVC



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## Chainflex® CF240

PVC Energy Chain® cable, shielded, oil-resistant,  
flame-retardant

### Construction

**Conductors:** Finely stranded highly flexible bare copper conductors

**Conductor insulation:** Mechanically tough PVC

**Conductor twisting:** Conductors twisted with short pitch, layered around high tensile strength core.

**Conductor colors:** Color code DIN 47100

**Shield:** Tinned copper braid, coverage approx. 90% optical.

**Outer jacket:** PVC-based, low-adhesion blend, adapted to the requirements of the Energy Chain®, oil-resistant.

Silicon-free in compliance with PV 3.10.7 - status 1992. Color: grey (RAL 7001)

### Technical Data

**Minimum bending radius, moving:** <10m travel = 10 x outer diameter; ≥10m travel = 12 x outer diameter,

**Minimum bending radius, fixed:** 5 x outer cable diameter

**Permissible temperature, moving:** +23°F to +158°F (-5°C to +70°C)

**Permissible temperature, fixed:** -4°F to +158°F (-20°C to +70°C)

**Flame resistance:** According to IEC 60332-1-2, CEI 20-35, FT1, VW-1

**Oil-resistance:** Medium

**Voltage:** 300V

**Test Voltage:** 1500V

**Regulations:** cRUus AWM: UL AWM for USA and Canada style 2464 80°C 300V

**NFPA 79:** Complies to NFPA 79 2012 chapter 12.9

**CE:** 2006/95/EG

**CEI:** 20-35

**RoHS:** Complies to 2011/65/EU (RoHS-II)

**Cleanroom:** According to ISO Class 2, material/cable tested by IPA according to ISO standard 14644-1. Test cable CF5-10-07

### Typical Applications

- for high mechanical load requirements
- preferably indoor applications, outdoor is acceptable for temperatures greater than +41°F (+5°C)
- especially for unsupported travel and gliding travel up to 164 ft (50m)
- storage and retrieval units for high-bay warehouses, machining units/package machines, handling, indoor cranes

Part No.	AWG	No. of Conductors and Rated Cross- Section in mm²	Outer Diameter (approx)		Copper Index		Weight	
			in.	(mm)	lbs/ft	(kg/km)	lbs/ft	(kg/km)
CF240-01-03	26	3 x 0.14	.18	(4.5)	11	(16)	24	(35)
CF240-01-04	26	4 x 0.14	.20	(5)	12	(18)	26	(38)
CF240-01-05	26	5 x 0.14	.22	(5.5)	14	(20)	29	(42)
CF240-01-07	26	7 x 0.14	.24	(6)	17	(25)	35	(51)
CF240-01-14	26	14 x 0.14	.28	(7)	29	(42)	52	(76)
CF240-01-18	26	18 x 0.14	.31	(8)	33	(48)	61	(90)
CF240-01-24	26	24 x 0.14	.37	(9.5)	41	(60)	77	(113)
CF240-02-03	24	3 x 0.25	.22	(5.5)	14	(21)	27	(40)
CF240-02-04	24	4 x 0.25	.22	(5.5)	16	(24)	33	(48)
CF240-02-05	24	5 x 0.25	.24	(6)	18	(27)	35	(52)
CF240-02-07	24	7 x 0.25	.28	(7)	24	(35)	45	(66)
CF240-02-08	24	8 x 0.25	.30	(7.5)	27.2	(40)	50.3	(74)
CF240-02-14	24	14 x 0.25	.31	(8)	39	(57)	68	(100)
CF240-02-18	24	18 x 0.25	.35	(9)	48	(71)	83	(122)
CF240-02-24	24	24 x 0.25	.43	(11)	63	(92)	118	(174)
CF240-03-03	22	3 x 0.34	.22	(5.5)	16	(24)	31	(45)
CF240-03-04	22	4 x 0.34	.24	(6)	19	(28)	35	(51)
CF240-03-05	22	5 x 0.34	.26	(6.5)	22	(32)	39	(58)
CF240-03-07	22	7 x 0.34	.28	(7)	29	(43)	51	(75)
CF240-03-10	22	10 x 0.34	.33	(8.5)	37.4	(55)	74.8	(110)
CF240-03-14	22	14 x 0.34	.33	(8.5)	48	(71)	79	(116)
CF240-03-18	22	18 x 0.34	.39	(10)	59	(87)	95	(140)
CF240-03-24	22	24 x 0.34	.47	(12)	78	(115)	138	(203)

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