

COM-Link® Class 4 Fault Managed Power Unshielded Plenum Cable



Image not to scale. See table 1 for dimensions

The COM-Link® product portfolio includes cables for commercial and enterprise for any application that requires power and data.

COM-Link® Class 4 Fault Managed Plenum Cables are tested to UL 1400-2 to 450 Volts per NEC article 722 for Class 4 cables.

USAGE

- Intelligent buildings
- Wireless Applications
- Increased Telecom Capacity
- Digital Power
- DAS
- Entertainment venues
- 5G radio communications
- Data Centers
- Transit Applications

CONSTRUCTION

Conductors: 18-12 AWG Stranded Tinned Copper

Cable Assembly: 1-16 Pairs Cabled Together

Insulation: Low Smoke PVC

Jacket: Low Smoke PVC

STANDARDS

- UL Subject 444, Communications Cables
- c(UL)us Listed CMP
- UL Subject 13, Power Limited Circuit Cable
- UL Listed (UL) CL3P
- UL Subject 1400-2 Fault Managed Power Systems
- UL Listed (UL) CL4P
- Voltage Rating of 450V RMS
- NEC Article 800
- NEC Article 726
- California State Fire Marshal Approved
- RoHS Compliant
- NFPA 262

PHYSICAL CHARACTERISTICS

- Installation Temperature Rating: 0°C to +60°C
- Operation Temperature Rating: -20°C to +75°C

ELECTRICAL CHARACTERISTICS

- Voltage Rating: 450V RMS
- C-C Capacitance: 34 pF/ft. @ 1kHz Nominal

OTHER CLASS 4 CONSTRUCTIONS AVAILABLE

- Indoor/Outdoor Power, Riser
- Indoor/Outdoor Hybrid, Riser
- Plenum Hybrid
- NFPA 130 Power
- NFPA 130 Hybrid



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Table 1 - Physical Data

Part Number	AWG (mm ²)	Pairs**	Insulation Wall in (mm)	Overall Diameter in (mm)	Weight Lbs/Mft (Kg/Km)	Max Current per Cdr. (Amps)*
C4C-P00U02-18-01	18 (0.90)	1	0.009 (0.228)	0.164 (4.16)	20 (9.07)	7.50
C4C-P00U02-18-02	18 (0.90)	2	0.009 (0.228)	0.243 (6.17)	36 (16.3)	6.00
C4C-P00U02-18-03	18 (0.90)	3	0.009 (0.228)	0.259 (6.57)	50 (22.6)	6.00
C4C-P00U02-18-04	18 (0.90)	4	0.009 (0.228)	0.287 (7.28)	65 (29.4)	5.25
C4C-P00U02-18-06	18 (0.90)	6	0.009 (0.228)	0.349 (8.86)	94 (42.6)	3.75
C4C-P00U02-18-08	18 (0.90)	8	0.009 (0.228)	.390 (9.90)	126 (57.1)	3.75
C4C-P00U02-18-12	18 (0.90)	12	0.009 (0.228)	0.479 (12.10)	185 (83.9)	3.38
C4C-P00U02-18-16	18 (0.90)	16	0.009 (0.228)	0.538 (13.60)	243 (110.0)	3.00
C4C-P00U02-16-01	16 (1.854)	1	0.011 (0.279)	0.195 (4.95)	28 (12.7)	10.5
C4C-P00U02-16-02	16 (1.854)	2	0.011 (0.279)	0.298 (7.56)	55 (24.9)	8.4
C4C-P00U02-16-03	16 (1.854)	3	0.011 (0.279)	0.318 (8.07)	78 (35.3)	8.4
C4C-P00U02-16-04	16 (1.854)	4	0.011 (0.279)	0.353 (8.96)	100 (45.3)	7.35
C4C-P00U02-16-06	16 (1.854)	6	0.011 (0.279)	0.436 (11.00)	150 (68.0)	5.25
C4C-P00U02-16-08	16 (1.854)	8	0.011 (0.279)	0.477 (12.10)	196 (88.9)	5.25
C4C-P00U02-16-12	16 (1.854)	12	0.011 (0.279)	0.589 (14.90)	288 (130.0)	4.72
C4C-P00U02-16-16	16 (1.854)	16	0.011 (0.279)	0.663 (16.80)	79 (171.0)	4.2
C4C-P00U02-14-01	14 (2.343)	1	0.011 (0.279)	0.210 (5.33)	37 (16.7)	14
C4C-P00U02-14-02	14 (2.343)	2	0.011 (0.279)	0.322 (8.17)	72 (32.6)	11
C4C-P00U02-14-03	14 (2.343)	3	0.011 (0.279)	0.344 (8.73)	103 (46.7)	11
C4C-P00U02-14-04	14 (2.343)	4	0.011 (0.279)	0.387 (9.82)	138 (62.5)	9.8
C4C-P00U02-14-06	14 (2.343)	6	0.011 (0.279)	0.472 (11.90)	202 (91.6)	7
C4C-P00U02-14-08	14 (2.343)	8	0.011 (0.279)	0.517 (13.10)	265 (120.0)	7
C4C-P00U02-14-12	14 (2.343)	12	0.011 (0.279)	0.639 (16.20)	392 (177.0)	6.3
C4C-P00U02-14-16	14 (2.343)	16	0.011 (0.279)	0.720 (18.20)	517 (234.0)	5.6
C4C-P00U02-12-01	12 (3.660)	1	0.011 (0.279)	0.248 (6.29)	51 (23.1)	20
C4C-P00U02-12-02	12 (3.660)	2	0.011 (0.279)	0.376 (9.55)	99 (44.9)	16
C4C-P00U02-12-03	12 (3.660)	3	0.011 (0.279)	0.408 (10.30)	145 (65.7)	16
C4C-P00U02-12-04	12 (3.660)	4	0.011 (0.279)	0.453 (11.50)	190 (86.1)	14
C4C-P00U02-12-06	12 (3.660)	6	0.011 (0.279)	0.554 (14.00)	280 (127.0)	10
C4C-P00U02-12-08	12 (3.660)	8	0.011 (0.279)	0.607 (15.40)	367 (166.0)	10
C4C-P00U02-12-12	12 (3.660)	12	0.011 (0.279)	0.776 (19.70)	564 (255.0)	9
C4C-P00U02-12-16	12 (3.660)	16	0.011 (0.279)	0.872 (22.10)	742 (336.0)	8

*Ampacity based on NEC table 310.16 with adjustments for 75°C temp rating, number of conductors and ambient temperature of 25°C.

**Other pair counts available upon request.

