

COM-Link® Class 4 Fault Managed Unshielded Indoor/Outdoor Riser 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 Unshielded Riser 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
- Agriculture
- 5G radio communications
- EV Charging
- Data Centers
- Transit Applications

CONSTRUCTION

Conductors: 18-12 AWG Stranded Tinned Copper

Cable Assembly: 1-16 Pairs Cabled Together

Insulation: PVC

Jacket: PVC

Shielding: Optional

PHYSICAL CHARACTERISTICS

- Installation Temperature Rating: 0°C to +60°C
- Operation Temperature Rating: -20°C to +80°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

STANDARDS

- UL Subject 444 Communications Cables
- UL Listed c(UL)us Type CMG
- UL Listed (UL) Type CMR
- UL Subject 13, Power Limited Circuit Cable
- UL Listed (UL) CL3R
- UL Subject 1400-2 Fault Managed Power Systems
- UL Listed (UL) CL4R
- Voltage Rating of 450V RMS
- UL Subject 758 Appliance Wiring Material
- AWM Style 2464 80C 300V
- NEC Article 800
- NEC Article 726
- California State Fire Marshal Approved
- RoHS Compliant
- Sunlight Resistant
- For use in Wet Locations



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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-R00U01-18-01SW	18 (0.90)	1	0.017 (0.431)	0.244 (6.19)	31 (14.0)	7.50
C4C-R00U01-18-02SW	18 (0.90)	2	0.017 (0.431)	0.342 (8.68)	54 (24.4)	6.4
C4C-R00U01-18-03SW	18 (0.90)	3	0.017 (0.431)	0.362 (9.19)	70 (31.7)	6.4
C4C-R00U01-18-04SW	18 (0.90)	4	0.017 (0.431)	0.397 (10.00)	88 (39.9)	5.6
C4C-R00U01-18-06SW	18 (0.90)	6	0.017 (0.431)	0.474 (12.00)	125 (56.6)	4
C4C-R00U01-18-08SW	18 (0.90)	8	0.017 (0.431)	0.520 (13.20)	160 (72.5)	4
C4C-R00U01-18-12SW	18 (0.90)	12	0.017 (0.431)	0.625 (15.80)	228 (103.0)	3.38
C4C-R00U01-18-16SW	18 (0.90)	16	0.017 (0.431)	0.700 (17.70)	295 (133.0)	3
C4C-R00U01-16-01SW	16 (1.854)	1	0.017 (0.431)	0.269 (6.83)	40 (18.1)	10.5
C4C-R00U01-16-02SW	16 (1.854)	2	0.017 (0.431)	0.383 (9.72)	72 (32.6)	8.75
C4C-R00U01-16-03SW	16 (1.854)	3	0.017 (0.431)	0.405 (10.20)	97 (43.9)	8.75
C4C-R00U01-16-04SW	16 (1.854)	4	0.017 (0.431)	0.445 (11.30)	122 (55.3)	7.5
C4C-R00U01-16-06SW	16 (1.854)	6	0.017 (0.431)	0.534 (13.50)	175 (79.3)	5.5
C4C-R00U01-16-08SW	16 (1.854)	8	0.017 (0.431)	0.581 (14.70)	225 (102.0)	5.5
C4C-R00U01-16-12SW	16 (1.854)	12	0.017 (0.431)	0.708 (17.90)	327 (148.0)	4.72
C4C-R00U01-16-16SW	16 (1.854)	16	0.017 (0.431)	0.818 (20.70)	443 (200.0)	4.2
C4C-R00U01-14-01SW	14 (2.343)	1	0.017 (0.431)	0.284 (7.21)	50 (22.6)	14
C4C-R00U01-14-02SW	14 (2.343)	2	0.017 (0.431)	0.406 (10.30)	92 (41.7)	11
C4C-R00U01-14-03SW	14 (2.343)	3	0.017 (0.431)	0.431 (10.90)	125 (56.6)	11
C4C-R00U01-14-04SW	14 (2.343)	4	0.017 (0.431)	0.474 (12.00)	160 (72.5)	9.7
C4C-R00U01-14-06SW	14 (2.343)	6	0.017 (0.431)	0.57 (14.40)	231 (104.0)	7
C4C-R00U01-14-08SW	14 (2.343)	8	0.017 (0.431)	0.621 (15.70)	300 (136.0)	7
C4C-R00U01-14-12SW	14 (2.343)	12	0.017 (0.431)	0.758 (19.20)	437 (198.0)	6.3
C4C-R00U01-14-16SW	14 (2.343)	16	0.017 (0.431)	0.874 (22.10)	591 (268.0)	5.6
C4C-R00U01-12-01SW	12 (3.660)	1	0.017 (0.431)	0.318 (8.07)	65 (29.4)	20
C4C-R00U01-12-02SW	12 (3.660)	2	0.017 (0.431)	0.461 (11.70)	121 (54.8)	16
C4C-R00U01-12-03SW	12 (3.660)	3	0.017 (0.431)	0.489 (12.40)	167 (75.7)	16
C4C-R00U01-12-04SW	12 (3.660)	4	0.017 (0.431)	0.539 (13.60)	216 (97.9)	14
C4C-R00U01-12-06SW	12 (3.660)	6	0.017 (0.431)	0.651 (16.50)	313 (141.0)	14
C4C-R00U01-12-08SW	12 (3.660)	8	0.017 (0.431)	0.711 (18.00)	407 (184.0)	14
C4C-R00U01-12-12SW	12 (3.660)	12	0.017 (0.431)	0.895 (22.70)	617 (279.0)	9
C4C-R00U01-12-16SW	12 (3.660)	16	0.017 (0.431)	1.003 (25.40)	806 (365.0)	8

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

