



WCSM

Heavy-wall standard tubing for 1/C low-voltage power cable (1000 V)

For use on standard poly- or elastomeric-insulated/jacketed cables or lead-jacketed cables, which may include aluminum or steel armoring.

Use sealant-coated tubing (-S) as a sealed in-line splice or terminal lug seal for non-flame-retardant applications. Use uncoated tubing (-A/U and /U) for cable re-jacketing and mechanical protection only.

Sealant-coated WCSM (-S designation) is UL listed per 486D (file E91151), certified to CSA C22.2, qualified to ANSI C119.1-1986, and rated to Western

Underground Guide 2.5. Also RUS accepted for use as a secondary tap or splice cover, and for use as jacket restoration materials on JCN cable. WCSM tubing may be used for jacket repair on cables to 35 kV.

Connectors over 6 inches:
Recommended cut length = connector length + 5 inches.

Connectors up to 6 inches:
Recommended cut length = connector length + 4 inches.

Selection information (dimensions in inches/millimeters)

Adhesive-coated cut-length tubing

Catalog number*	1000-V conductor size (AWG/kcmil)	General use range (min. – max.)	Cut-piece length**	Standard package (pcs/box)
WCSM-9/3-150-S	#14 – #8	0.15 – 0.30 (4–8)	6 (150)	50
WCSM-9/3-300-S	#14 – #8	0.15 – 0.30 (4–8)	12 (300)	50
WCSM-9/3-1200-S	#14 – #8	0.15 – 0.30 (4–8)	48 (1200)	25
WCSM-13/4-150-S	#12 – #6	0.20 – 0.45 (5–11)	6 (150)	50
WCSM-13/4-1200-S	#12 – #6	0.20 – 0.45 (5–11)	48 (120)	25
WCSM-20/6-150-S	#8 – #2	0.25 – 0.70 (6–18)	6 (150)	50
WCSM-20/6-225-S	#8 – #2	0.25 – 0.70 (6–18)	9 (225)	50
WCSM-20/6-300-S	#8 – #2	0.25 – 0.70 (6–18)	12 (300)	50
WCSM-20/6-1200-S	#8 – #2	0.25 – 0.70 (6–18)	48 (1200)	25
WCSM-33/8-150-S	#4 – 4/0	0.35 – 1.20 (9–30)	6 (150)	50
WCSM-33/8-225-S	#4 – 4/0	0.35 – 1.20 (9–30)	9 (225)	50
WCSM-33/8-300-S	#4 – 4/0	0.35 – 1.20 (9–30)	12 (300)	50
WCSM-33/8-1200-S	#4 – 4/0	0.35 – 1.20 (9–30)	48 (1200)	25
WCSM-43/12-150-S	1/0 – 400	0.50 – 1.55 (13–39)	6 (150)	40
WCSM-43/12-225-S	1/0 – 400	0.50 – 1.55 (13–39)	9 (225)	40
WCSM-43/12-300-S	1/0 – 400	0.50 – 1.55 (13–39)	12 (300)	40
WCSM-43/12-1200-S	1/0 – 400	0.50 – 1.55 (13–39)	48 (1200)	10
WCSM-51/16-100-S	250 – 500	0.70 – 1.75 (18–44)	4 (100)	100
WCSM-51/16-225-S	250 – 500	0.70 – 1.75 (18–44)	9 (225)	30
WCSM-51/16-300-S	250 – 500	0.70 – 1.75 (18–44)	12 (300)	30
WCSM-51/16-1200-S	250 – 500	0.70 – 1.75 (18–44)	48 (1200)	10
WCSM-70/21-300-S	400 – 1000	0.90 – 2.45 (23–62)	12 (300)	15
WCSM-70/21-450-S	400 – 1000	0.90 – 2.45 (23–62)	18 (450)	15
WCSM-70/21-600-S	400 – 1000	0.90 – 2.45 (23–62)	24 (600)	10 or 100
WCSM-70/21-1200-S	400 – 1000	0.90 – 2.45 (23–62)	48 (1200)	10
WCSM-105/30-300-S	800 – 1250	1.30 – 3.70 (33–94)	12 (300)	15
WCSM-105/30-1200-S	800 – 1250	1.30 – 3.70 (33–94)	48 (1200)	5
WCSM-130/36-300-S	1500 – 2500	1.60 – 4.20 (41–107)	12 (300)	10
WCSM-130/36-450-S	1500 – 2500	1.60 – 4.20 (41–107)	18 (450)	20
WCSM-130/36-1200-S	1500 – 2500	1.60 – 4.20 (41–107)	48 (1200)	5

*Catalog numbers with -S designation are suitable for sealed electrical insulation to 1000 V.

**Length tolerance to ±2 percent.

Uncoated tubing

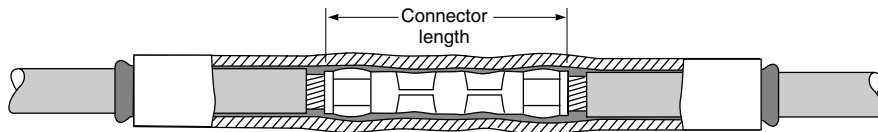
Catalog number*	1000-V conductor size (AWG/kcmil)	General use range (min. – max.)	Cut-piece length**	Standard package (ft/roll) (pcs/box)
WCSM-9/3-A/U	#14 – #8	0.15 – 0.30 (4 – 8)		100
WCSM-13/4-A/U	#12 – #6	0.20 – 0.45 (5 – 11)		100
WCSM-20/6-A/U	#8 – #2	0.25 – 0.70 (6 – 18)		100
WCSM-33/8-A/U	#4 – 4/0	0.35 – 1.20 (9 – 30)		65
WCSM-43/12-A/U	1/0 – 400	0.50 – 1.55 (13 – 39)		50
WCSM-51/16-A/U	250 – 500	0.70 – 1.75 (18 – 44)		40
WCSM-70/21-A/U	400 – 1000	0.90 – 2.45 (23 – 62)		40
WCSM-90/30-1500/U	800 – 1200	1.30 – 3.10 (33 – 79)	60	5
WCSM-130/36-1500/U	1500 – 2500	1.60 – 4.20 (41 – 107)	60	5

*Catalog numbers with A/U and /U designations are for cable re-jacketing only.

**Length tolerance to $\pm 2\%$.

Ordering information

- Select the appropriate catalog number based on typical dimensions for low-voltage insulated cable. Confirm selection with dimensions to assure proper sizing.
- UL listing applies to sealant-coated (-S) WCSM-9/3 through -70/21 only. WCSM-105/30 and -130/36 are not UL listed.
- Package does not contain connectors or lugs. Installed connector or lug diameter must be within use range.
- If sealing is needed with WCSM-A/U uncoated tubing, order S-1052 sealant separately from page 49.
- WCSM tubing may be field-cut for shorter requirements.
- Bulk packaging is available for cut lengths. Consult your Tyco Electronics representative for information.
- For testing information, please refer to page 20.
- Related test report: [EDR-5139](#)



Certified C22.2
No. 198.2



LISTED 96J4
Direct burial insulation covered for listed pressure connectors

SUBMERSIBLE