CHW (Cary Heavy Wall)

Cary Industries CHW is a heavywall polyolefin tubing with a dual purpose thermoplastic liner. High expansion ratios enable a minimum number of sizes to cover a broad range of cable and connector sizes. This tubing provides maximum protection for insulating and sealing electrical connections and terminations. Tubing can be used in most adverse conditions such as direct burial, URD and submersible installations. The tough outer jacket protects against abrasion, vibration and flexing. May be used over lead, steel, aluminum, copper, standard plastic and all elastomeric insulations of power cables, battery cables and over all repair splices.

Ordering Size	Minimum Expanded ID		Maximum Recovered ID		Nominal Recovered Wall		Wire Range
	Inch	mm	Inch	mm	Inch	mm	
300	.300	7.6	.100	2.5	.060	1.52	14-8
400	.400	10.2	.150	3.8	.060	1.52	12-6
500	.510	13.0	.160	4.1	.090	2.29	10-3
750	.750	19.1	.220	5.6	.105	2.67	6-1
1100	1.100	27.9	.375	9.5	.120	3.05	4-3/0
1500	1.500	38.1	.500	12.7	.140	3.56	4/0-400
2000	2.000	50.8	.750	19.1	.155	3.81	500-1000
3000	3.000	76.2	1.250	31.8	.155	3.81	900-1500
4000	4.000	101.6	1.750	44.4	.155	3.81	1500-2500

M23053/15 Class 1 U/L CSA
Available in black and red in 4 foot lengths.

CHW Technical Data

Physical	Test Method	Typical Value
Tensile Strength(psi)	ASTM D-412	2100 PSI Min
Ultimate Elongation	ASTM D-412	250% Min
Hardness-Shore "D"	ASTM D-2240	50D
Specific Gravity	ASTM D-792	1.1
Water Absorption	ASTM D-570	.05%
Electrical		
Dielectric Strength	ASTM D-149	500 Volts/Mil
Volume Resistivity	ASTM D-257	10(16) ohm-cm
Thermal		
Low Temperature Brittle Point	ASTM D-746	-55C (-67F)
Heat Aging: Tensile Strength	UL 224	1100 PSI Min
Elongation	UL 224	225% Min
Heat Shock, 4 Hrs @ 225C	Min-I-81765	No cracks, no flowing
Chemical		
Corrosivity	ASTM D-2671	Non Corrosive
Oil Resistance (24 Hrs @ 25C)		Excellent
Ozone Resistance		Good/no cracking
Fungus Resistance		Inert
Solvent Resistance (24 Hrs immersion-Air Dry 45 Mins)		Excellent

*Above values are typical performance data and should not be used as design data.

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101	.750	107	.300
102	1.100	108	.400
103	1.500	109	1.300
104	2.000	110	1.700
105	3.000	111	2.700
106	4.000	112	4.500