



HDCW

Wraparound Heat Shrink Cable Repair Sleeves



1

Features and Benefits

- Quick and easy installation
- Maximum protection against mechanical stress
- Good bonding to standard cable jacket materials
- Qualified to ANSI C119.1
- For insulation on low voltage cable up to 1000V and for jacket repair on cable up to 35kV
- Excellent performance in harsh environmental conditions
- Hot melt adhesive forms a durable, moisture resistant seal

Application

3M™ HDCW Wraparound Heat Shrink Cable Repair Sleeves are designed to quickly repair damaged cable jacketing. They may also be used to re-jacket in-line splices. HDCW wrap sleeves can be used as insulation material on

cable and splices up to 1000 volts and as jacket repair material on cable up to 35kV. The design of the wrap sleeve allows it to be installed in tight spaces with ordinary heating equipment such as a torch.

Technical Features

3M™ HDCW is made from modified cross-linked polyolefin, with a hot-melt adhesive liner on the inner side of the sleeve. Upon heating, the sleeve shrinks and the adhesive melts, creating a water-tight bond between the sleeve and the cable. HDCW Wraparound Cable Repair Sleeves meet ANSI C119.1 requirements. A corrosion proof metal channel is used to close the sleeve during installation.

3M HDCW wrap sleeves are stocked in four lengths and five diameters. Other cut lengths are available upon request.

Application Guide

Part Number	Length Inches (mm)	Primary Insulation 600/1000v Conductor Size AWG/MCM	Jacket Repair Use Range max./min. inches (mm)	Sleeve Dimensions	
				Expanded Diameter inches (mm)	Recovered Diameter inches (mm)
HDCW 35/10-250	9.8 (250)	#8 - 2/0	1.38-0.39 (35-10)	1.97 (50)	.32 (8)
HDCW 35/10-1200	47.2 (1200)	#8 - 2/0	1.38-0.39 (35-10)	1.97 (50)	.32 (8)
HDCW 55/15-500	19.7 (500)	3/0 - 400	2.17-0.59 (55-15)	2.95 (75)	.51 (13)
HDCW 55/15-1200	47.2 (1200)	3/0 - 400	2.17-0.59 (55-15)	2.95 (75)	.51 (13)
HDCW 80/25-750	29.5 (750)	500 - 1000	3.15-0.98 (80-25)	3.94 (100)	.91 (23)
HDCW 80/25-1200	47.2 (1200)	500 - 1000	3.15-0.98 (80-25)	3.94 (100)	.91 (23)
HDCW 110/30-1000	39.4 (1000)	1000 - 2000	4.33-1.18 (110-30)	5.20 (132)	.98 (25)
HDCW 110/30-1200	47.2 (1200)	1000 - 2000	4.33-1.18 (110-30)	5.20 (132)	.98 (25)
HDCW 140/40-1000	39.4 (1000)	N/A	5.51-1.57 (140-40)	5.71 (145)	1.26 (32)
HDCW 140/40-1200	47.2 (1200)	N/A	5.51-1.57 (140-40)	5.71 (145)	1.26 (32)



2
Sleeve is positioned over splice or damaged area and closed with metal channel.



3
Heat is applied to shrink the sleeve and melt the adhesive liner.



4
Finished sleeve is moisture resistant and durable.