



FireCon™ CPE Chlorinated Polyethylene Jacketing Materials

FireCon™ CPE formulations are flame-retardant jacketing materials designed for use in low-voltage power and control cables which are routinely exposed to harsh chemicals and low temperatures. The materials are compounded with fillers, flame-retardants, additives and stabilizers to provide a customized desired level of performance. As such, FireCon CPE formulations are well suited to provide a robust cable jacketing solution.

Cable constructions using FireCon CPE formulations are suitable for the following UL Standards:

- UL 13** - Power-Limited Circuit Cables
- UL 44** - Thermoset-Insulated Wire and Cable
- UL 62** - Flexible Cords and Cables
- UL 1277** - Electrical Power and Control Tray Cables with Optional Optical-Fiber Members
- UL 2250** - Instrumentation Tray Cable

KEY CHARACTERISTICS

- Retains flexibility at temperatures below 0°C
- Resistant to acids, alkalis, oils, fuels and chemical solvents
- Excellent balance of physical properties
- Suitable for VW1 and tray cable rated applications
- Available in UV resistant grades
- Available in custom colors

MARKETS AND APPLICATIONS

- Oil, gas and petroleum applications
- Tray cable
- Industrial cable
- Low-voltage power cables
- Medium-voltage power cables
- Control cables
- VW1 applications



TECHNICAL PROPERTIES

FIRECON™	CPE 30-33 RoHS Black	CPE 30-20 RoHS Natural	CPE 37-36 RoHS Black
Specific Gravity	1.31	1.31	1.38
MFI (190°C, 21.6 Kg)	15	25	22.4
Durometer Hardness	39D	37D	31D
Tensile Strength, PSI	1,499	1,850	2,200
Tensile Elongation (%)	350	550	300
UL Temperature Rating °C	90	90	90
LOI (% Oxygen)	30	30	37
Brittleness Temperature °C	-33	-20	-36

To learn more about Firecon CPE jacketing solutions, contact PolyOne at 1.866.POLYONE
www.polyone.com



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