



Dow Electrical & Telecommunications

Wire and Cable Fire Performance Solutions

Resist flames. Limit smoke. Help save lives and property.



When safety matters most – at work, at home, at play – you can depend on Dow Electrical & Telecommunications, a business operating unit of The Dow Chemical Company (“Dow E&T”), to supply high-performing flame-retardant compounds. Advancements supported by strong R&D have resulted in a family of premium flame-retardant materials for wire and cable applications.

Compounds from Dow E&T can be used as insulation and jackets for industrial/building wires and tray cables that exhibit:

- Flame retardance that exceeds industry standards
- Ease of cable manufacturing
- Low smoke
- Exceptional physical properties

Choices to meet your needs

Our broad fire performance portfolio includes UNIGARD™ flame-retardant compounds in your choice of halogenated or non-halogen formulations. The halogenated formulations demonstrate flame retardance exceeding industry standards, exceptional physical properties and ease of cable manufacturing. The non-halogen formulations demonstrate lower smoke, no corrosivity or toxicity – attributes that save lives during fires – and have low environmental impact.

Trust an industry leader

Working together with our customers, Dow E&T has proven that using an engineered system of materials results in exceptional performance and reliability. For materials science-based system solutions for long-life fire performance wires and cables, trust an industry leader as a consistent and reliable source – trust Dow E&T.



Fire performance applications

- Homes and apartments
- Office, commercial, retail buildings
- Schools, libraries, healthcare facilities
- Factories, utilities, food, entertainment complexes
- Mass transit – surface, subway, aviation, shipping

Material	Applications	Region	Africa, Middle East & India	Asia Pacific	Europe	Latin America	North America
SI-LINK™ DFDB-5400 NT	Halogenated, flame-retardant masterbatch for moisture-curable insulation systems		•	•	•	•	•
SI-LINK™ DFDA-5445 BK	Halogenated, flame-retardant carbon black-filled masterbatch for moisture-curable cable insulation					•	•
UNIGARD™ HP DFDA-6530 NT	Halogenated, flame-retardant insulation compound for irradiation crosslinking			•			•
UNIGARD™ HP DGDD-1430 NT	Halogenated, flame-retardant thermoplastic compound for broad range of applications			•			•
UNIGARD™ HP DGDE-1430 NT	Halogenated, flame-retardant thermoplastic compound for communications cable insulation						
UNIGARD™ HP HFDA-6522 NT	Halogenated, flame-retardant insulation compound for 600 volt power cables and control cables; suitable for 90° C service in wet locations		•	•	•	•	•
UNIGARD™ RE DFDA-1638 NT	Non-halogen, flame-retardant, thermoplastic jacket and insulation compound for general purpose power cable applications including communications cable		•	•	•	•	•
UNIGARD™ RE DFDC-1638 BK	Non-halogen, flame-retardant, thermoplastic jacket and insulation compound for general purpose power cable applications including communications cable		•	•	•	•	•
UNIGARD™ RE DFDE-1638 NT	Non-halogen, flame-retardant, thermoplastic jacket compound for general purpose cables		•	•	•	•	
UNIGARD™ RE DFDA-1648 BK	Non-halogen, flame-retardant, thermoplastic jacket compound for industrial cables			•			
UNIGARD™ RE DFDA-1648 NT	Non-halogen, flame-retardant, thermoplastic jacket compound for communications cable		•	•	•	•	
UNIGARD™ RE DFDA-1658 BK	Non-halogen, thermoplastic jacket compound for industrial cables					•	
UNIGARD™ RE DFDA-1980 NT	Non-halogen, flame-retardant, colorable thermoplastic compound for a variety of jacketing applications		•	•	•	•	
UNIGARD™ RE DFNA-6925 NT	Non-halogen, crosslinkable, irradiation-cure insulation and jacket compound for communications cable						•
UNIGARD™ RE DQDC-1388 BK	Non-halogen, crosslinkable, irradiation-cure compound for industrial cable jackets including transit and marine applications						•
UNIGARD™ RE HFDA-6525 NT	Non-halogen, crosslinkable, CV cure jacket and insulation compound for communications cable					•	•

ABOUT DOW ELECTRICAL & TELECOMMUNICATIONS

Dow E&T, a business unit of The Dow Chemical Company ("Dow"), is a leading global provider of products, technology, solutions and knowledge that sets standards for reliability, longevity, efficiency, ease of installation and protection that the power and telecommunications industries can count on in the transmission, distribution and consumption of power, voice and data. Understanding that collaboration is essential to success, Dow E&T works together with cable makers, other industry suppliers, utilities, municipalities, testing institutes and other organizations around the world to help develop solutions and create mutual value that will sustain these industries for years to come. For more information, visit www.dow.com/electrical.

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