



Dow Electrical & Telecommunications

Solutions for Low-voltage Power Cables

Underground building/industrial cables,
insulated conductor overhead lines



Underground and insulated overhead wires and cables that are used to bring low-voltage power to residential and commercial buildings must perform dependably and be flexible for ease of installation. Dow Electrical & Telecommunications, a business operating unit of The Dow Chemical Company (“Dow E&T”) offers a range of solutions for high-performance low-voltage cables including insulation compounds, as well as jacketing materials that demonstrate toughness along with stress-crack and

abrasion resistance. Our product family, that meets a wide range of global standards for low-voltage and industrial cables¹, is used in all moisture-cure extrusion technologies.

Now, with our expanding portfolio of polyolefin elastomers, Dow E&T is able to offer formulations that further enhance cable flexibility while retaining production efficiencies on conventional equipment in most cases.

Crosslinkable Insulation System

SI-LINK™, a crosslinkable insulation system, enables production of high-quality LV cables and insulated overhead conductors at high output rates. SI-LINK™ moisture-curable compounds offer:

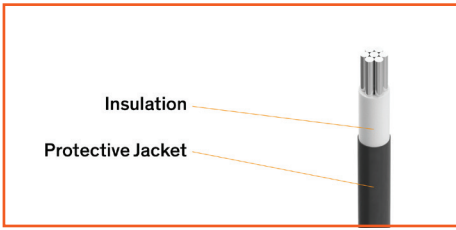
- Improved productivity
- Excellent surface appearance
- Reduced scrap on start-up and during production
- Long production run lengths
- Easy handling
- Can be stored for long periods
- SI-LINK™ AC for faster cure, scorch resistance, and REACH compliance

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, high-performance low-voltage wires and cables, trust an industry leader as a consistent and reliable source – trust Dow E&T.

¹Regulations may vary by city, state, country, or geographic region. Please contact the Dow Customer Service Group in your region for any additional, relevant regulatory information.

Solutions for Global LV Cables (<1kV)



Insulation		Region	Africa, Middle East & India	Asia Pacific	Europe	Latin America	North America
Material	Applications						
SI-LINK™ DFDA-5451 NT	Crosslinkable polyethylene for moisture-curable power and control cable insulation		•	•	•	•	•
SI-LINK™ DFDB-5480 NT	Catalyst masterbatch for moisture-curable power cable insulation		•	•	•	•	•
SI-LINK™ DFDA-5481 NT	Catalyst masterbatch for moisture-curable power cable insulation		•	•	•	•	•
SI-LINK™ AC DFDB-5451 NT	Crosslinkable, scorch-retardant polyethylene for moisture-curable power and control cable insulation		•	•	•	•	•
SI-LINK™ AC DFDA-5488 NT	Natural, ambient crosslinking catalyst masterbatch for moisture-curable power insulation		•	•	•	•	•
SI-LINK™ AC DFDB-5418 BK	Black, ambient crosslinking catalyst masterbatch for moisture-curable power insulation		•	•	•	•	•
SI-LINK™ DFDB-5445 BK	Halogenated, flame-retardant masterbatch for moisture-curable, power insulation on conductor sizes #2 awg and larger					•	•
SI-LINK™ DFDB-5400 NT	Halogenated, flame-retardant masterbatch for moisture-curable insulation systems		•	•	•	•	•
SI-LINK™ DFDB-5410 BK	Carbon black-filled masterbatch for moisture-curable power cable insulation		•	•	•	•	•
REDI-LINK™ DFDA-5430 NT	Catalyst masterbatch for moisture-curable power cable insulation			•			
REDI-LINK™ DFDA-5440 NT	Catalyst masterbatch for moisture-curable power cable insulation			•			

Elastomers		Region	Africa, Middle East & India	Asia Pacific	Europe	Latin America	North America
Material	Applications						
ENGAGE™ 7387	Polyolefin elastomer with high-melt strength suited for filler and bedding compound applications			•	•	•	•
ENGAGE™ 7447 EL	Polyolefin elastomer for use as base EAM polymer in power insulation and semi-conductive compound		•		•	•	•
ENGAGE™ 8003	Polyolefin elastomer for use in halogen-free flame-retardant compounds for insulation and jacketing applications		•		•	•	•
ENGAGE™ 8452	Polyolefin elastomer used as EAM component in compounds designed for flexible power cable insulation applications			•	•	•	•
NORDEL™ IP 3722P EL	Hydrocarbon ethylene propylene rubber used as the base polymer in flexible power cable insulation applications		•	•	•	•	•

Jackets

Material	Applications	Region				
		Africa, Middle East & India	Asia Pacific	Europe	Latin America	North America
DOW AXELERON™ GP 6059 BK CPD	Black LLDPE compound for telephone and power cable jacketing				•	•
DOW™ DFDA-1375 RD	Red LLDPE compound for identification of power cables				•	•
DOW™ DFDA-7530 NT	Colorable LLDPE for cable jacketing. Can be used as a base resin for Monosil™ extrusion process	•	•	•	•	•
DOW™ DGDA-1310 BK	Black HDPE compound for telephone and power cable jacketing	•	•	•	•	•
DOW™ DGDA-1310 NT	Colorable HDPE compound for telephone and power cable jacketing	•	•	•	•	•

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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