

# ENERGYFLEX

Assures long-term photovoltaic performance



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**Due to soaring electricity costs and greenhouse gases, the sun is increasingly used by homeowners, offices and factories to provide cheap, stable and reliable power. With 35% annual growth, the solar photovoltaic (PV) market will soon achieve grid parity in many parts of the world.**

As a solar panel manufacturer, system installer, or specialized distributor, you want a quality cable link between the photovoltaic panel and the "inverter" which transforms solar power into usable AC electricity. Because your customers do not want to change cables every few years, you expect high performance and durability: at least 30 years, in weather conditions ranging from winter ice storms to baking deserts. You want the cable to resist degradation from ultraviolet rays, and you appreciate cable flexibility for installation ease. Nexans' proven reputation for cable quality assures all of the above.

 Nexans



## Nexans high-performance ENERGYFLEX PV cable

Nexans ENERGYFLEX PV cable for solar panels provides high performance, easy installation and long-term reliability. Made from polyolefin, this double-insulated single-wire cable carries 0.6 to 1 kV DC efficiently and for many decades. It offers characteristics that not only meet current regulations, but largely surpass them in terms of temperature-resistance, outdoor survival, and long-term operability. Its halogen-free compounds assure optimum fire protection for rooftop installation, while meeting the latest RoHS directives concerning the restriction of the use of hazardous substances in electrical and electronic equipment.

### ENERGYFLEX gives you...

- Lifetime reliability: lasts up to 30 years even under tough external conditions
- Outdoor durability: resists extreme temperatures (-40°C to +120°C) and ozone shield protection
- UV resistance: full protection against ultraviolet degradation
- Halogen-free: enhanced roof-top fire security, low smoke, flame-retardant
- Flexibility and strippability: for fast and easy installation
- Adapted to current connector types: in terms of diameter and exact fit
- Logistics and user-friendly packaging: for quick delivery and easy handling
- TUV-approved: tests done by German laboratories in accordance with EU standards
- Fully recyclable: in accordance with new environmental regulations

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