

# Special Cables

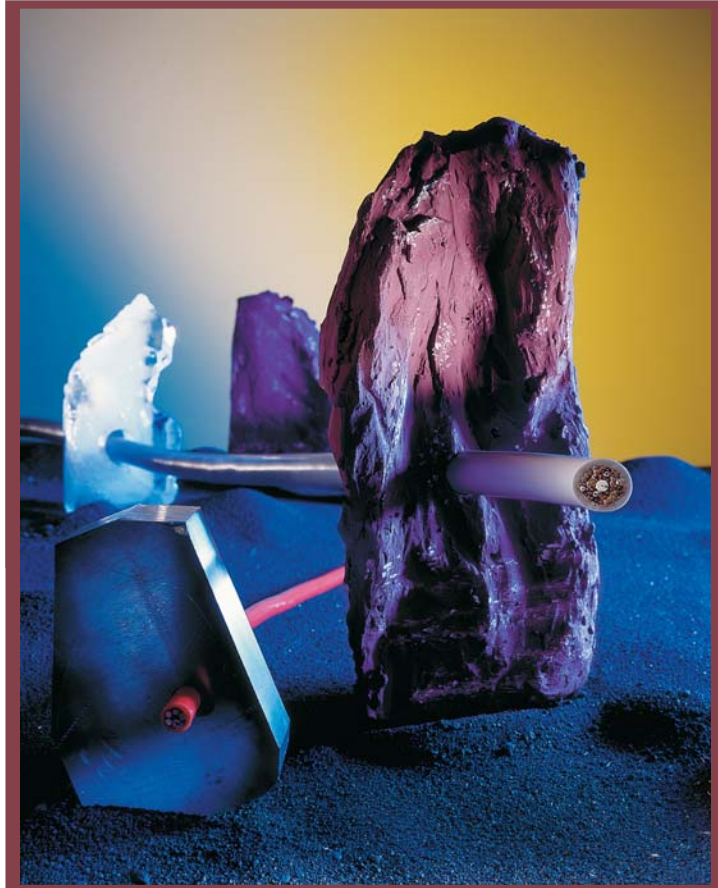
For temperature range -190°C to + 1550°C

## Information letter

Farrow special products will deliver the best properties, even under demanding circumstances.

### Examples of use:

**Mass transit (road, rail, sea, air),  
Illumination industry,  
Data transmission,  
Instrumentation, regulation and  
control technology,  
Medical equipment,  
Chemical industry**



## Development and production of special cables

Besides the production of standardized cables based on national and international standards, Farrow-Cable is focused on the design, development and production of special cables.

Due to a high manufacturing know-how (own wire mill, galvanic station, bunch stranding, silicone compounding), as well as special patented manufacturing processes (PTFE-taping, Micaflame® technology, HEW-THERM® heating cable technology), Farrow-Cable offers the basis for individual, customized solutions.

With this bulletin we would like to present an extensive survey about our insulation materials, manufacturing processes and fields of applications. To forward an offer we expect your detailed inquiry.





## Materials and manufacturing processes

### Conductor:

- Copper: bare, tin plated, silver plated, nickel plated
- Pure nickel, thermocouple and compensating materials as well as special alloys

### Conductor cross sections:

0,08 - 500 mm<sup>2</sup> / AWG 32 - AWG 0000

### Insulation and sheath materials:

- Fluoropolymers: PTFE, FEP, ETFE, PFA, MFA, PVDF, ECTFE, TEFLON®, TEFZEL®
- Silicone Rubber: Standard compounds as well as compounds for customized applications
- Elastomers: EPDM, EVM, ACM, HNBR, CSM, FPM, CR, CM, XVH
- Thermoplastic Elastomers
- Special thermoplastics: PEI, PEEK, PEI/SIR
- Thermoplastic synthetic materials: PVC, LDPE, HDPE, PP, PA
- Inorganic materials: Glass fibre yarn, Mica, Ceramic fibre, Kevlar®

### Core stranding:

2 - 120 cores

### Screening materials:

- Braids and wire coverings in copper bare, tin plated, silver plated, nickel plated
- Wrappings with different foil materials

### Foil wrappings:

Polyester, aluminium, laminated aluminium, copper and Kapton® foils

### Armourings:

Braids of galvanized steel wire or stainless steel wire

### Approvals:

VDE, UL, CSA, combined VDE, UL and CSA approvals, MIL-W-16878, MIL-W-22759, Germanischer Lloyd, DEMKO, FIMKO, NEMKO, SEMKO, PTB, ZEG, ISSEP, KEMA, glg, SEV, FTZÜ

### Application Range:

Automotive industry, illumination industry, chemical industry, EMC-optimized data transmission, energy transmission, domestic appliances, high frequency technology, air conditioning, leakage supervision, aerospace, medical equipment, petrochemicals, robotronic, sensoric, temperature measurement technology, mass transit (traffic engineering)

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