HEAT-RESISTANT CABLES MADE OF GLASS FIBRE YARN

SPECIAL CABLES MADE OF GLASS FIBRE YARN

CONTROL CABLES MADE OF GLASS FIBRE YARN

GLASS FIBRE-INSULATED THERMOCOUPLE WIRES

Li Gu Gl U 6,0²Ni Kf-sw

Single-cored special cables made of glass fibre yarn

APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances.

CONSTRUCTION

Conductor: nickel strand, 126 x 0,25 mm; Q = 6,0 mm², length of lay/rope construction 28/80 mm, right-hand lay; Ø ≈ 3,50 mm

Core insulation inside: E glass fibre yarn lapping in 4 layers with eco-friendly, silicone-based impregnation; Ø = 4,60 ± 0,10 mm

Core insulation outside: E glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø = 5,10 ± 0,20 mm

Coloured tracer thread: black (other colours/ecru optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	400 V
Breakdown Test voltage in ball pit, steel ball-Ø = 2 mm, 1 Min.	min. 2000 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 300 °C
Temperature resistance temporary	max. 350 °C

OTHER

Physiologically safe

Free of halogens and solvents

No heavy metals

The silicone impregnation escapes after prelonged temperatures of more than 300°C

Minimum order quantities may be required. Other types, dimensions and price upon request.

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Li RGu RGl U 0,75²Ni Kf-rt

Single-cored special cables made of glass fibre yarn

APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances.

CONSTRUCTION

Conductor: nickel strand, 24 x 0,20 mm; Q = 0,75 mm², length of lay 22 mm, right-hand lay; Ø ≈ 1,20 mm

Core insulation inside: R glass fibre yarn lapping in 4 layers with eco-friendly, silicone-based impregnation ; Ø ≤ 1,75 mm

Core insulation outside: R glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø = 2,10 ± 0,10 mm

Coloured tracer thread: red (other colours optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	300/500 V
Breakdown Test voltage in ball pit, steel ball-Ø = 2 mm, 1 Min.	min. 2500 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 700 °C
Temperature resistance temporary	max. 750 °C

OTHER

Physiologically safe

Free of halogens and solvents

No heavy metals

The silicone impregnation escapes after prelonged temperatures of more than 300°C

Minimum order quantities may be required. Other types, dimensions and price upon request.

Li 2G Gl U 1,0²Ni Kf-br

Single-cored special cables made of glass fibre yarn

APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances.

CONSTRUCTION

Conductor: nickel strand, 32 x 0,20 mm, Q = 1,00 mm²; Ø = 1,30 ± 0,20mm

Core insulation inside: silicone, Ø = 2,30 ± 0,20 mm

Core insulation outside: E glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø = 2,80 ± 0,20 mm

Coloured tracer thread: brown (other colours optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	300/500 V
Breakdown Test voltage in ball pit, steel ball-Ø 2 mm, 1 Min.	min. 2000 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 180 °C
Temperature resistance temporary	max. 200 °C

OTHER

Physiologically safe

Free of halogens and solvents

No heavy metals

Minimum order quantities may be required. Other types, dimensions and price upon request.

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Li 5Y Gl 1,50²Cu-vn Kf-nt

Single-cored special cables made of glass fibre yarn

APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances.

CONSTRUCTION

Conductor: copper strand, tinned, 7 x 0,52 mm, Q = 1,50 mm²; length of lay 24 mm, left-hand lay; Ø ≈ 1,56 mm
Core insulation inside: PTFE foil taping, 1 layer (66% overlap)
Core insulation outside: E glass fibre yarn lapping with eco-friendly, silicone-based impregnation , Ø = 2,80 ±0,20 mm
Coloured tracer thread: ecru (other colours optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	300/500 V
Breakdown Test voltage in ball pit, steel ball Ø 2 mm, 1 Min.	min. 2000 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 260 °C
Temperature resistance temporary	max. 300 °C

OTHER

Physiologically safe
Free of halogens and solvents
No heavy metals

Minimum order quantities may be required. Other types, dimensions and price upon request.

Li 8Y RGu RGl U 2,50²Ni Kf-bl

Single-cored special cables made of glass fibre yarn

APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances.

CONSTRUCTION

Conductor: nickel strand, 49 x 0,25 mm; Q = 2,50 mm², length of lay 42 mm, right-hand lay; Ø ≈ 2,05 mm

Core insulation inside: polyimide foil taping

Core insulation inside centre: R glass fibre yarn lapping in 3 layers with eco-friendly, silicone-based impregnation ; Ø = 2,70 ± 0,15 mm

Core insulation outside: R glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø = 3,00 ± 0,15 mm

Coloured tracer thread: blue (other colours optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	300/500 V
Breakdown Test voltage in ball pit, steel ball-Ø = 2 mm, 1 Min.	min. 2000 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 400 °C
Temperature resistance temporary	max. 450 °C

OTHER

Physiologically safe

Free of halogens and solvents

No heavy metals

The silicone impregnation escapes after prelonged temperatures of more than 300°C

Minimum order quantities may be required. Other types, dimensions and price upon request.

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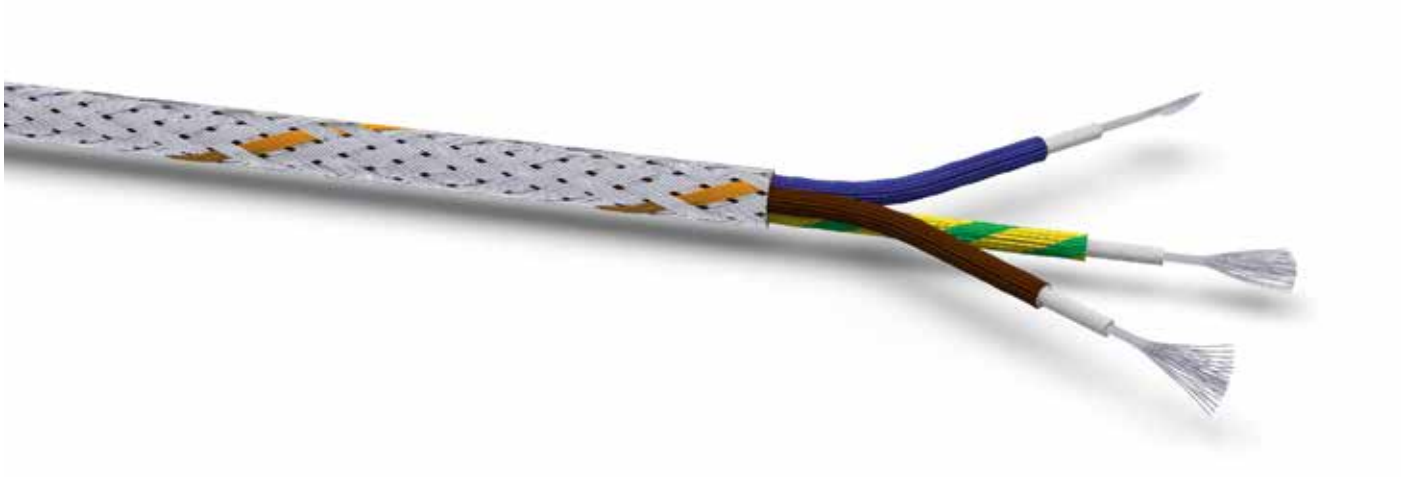
Li Gu Gl U S J B 3x1,50²Cu-vn Kf-or

Multi-cored special cables made of glass fibre yarn



APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances, extrusion lines, heating furnaces and sleeves.

CONSTRUCTION

Conductor: 3-core copper strand, tinned, 48 x 0,20 mm, Q = 1,50 mm²; length of lay 32 mm, left-hand lay; Ø ≈ 1,63 mm

Core insulation inside: E glass fibre yarn lapping in 4 layers with eco-friendly, silicone-based impregnation; Ø ≤ 2,45 ± 0,05 mm

Core insulation outside: E glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø = 2,75 ± 0,10 mm

Core identification: blue, brown, green-yellow (protective earth wire)

Core stranding: 3 cores in layers with optimal length of lay 120 mm

Outer braid: galvanised steel wire braid (covering 85%); Ø = 6,90 ± 0,20 mm

Coloured tracer thread: orange (other colours optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	300/500 V
Breakdown Test voltage in ball pit, steel ball Ø 2 mm, 1 Min.	
Single core	min. 2200 V
Core-core	min. 2200 V
Core-screen	min. 2200 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 300 °C
Temperature resistance temporary	max. 350 °C

OTHER

Physiologically safe

Free of halogens and solvents

No heavy metals

The silicone impregnation escapes after prelonged temperatures of more than 300°C

Minimum order quantities may be required. Other types, dimensions and price upon request.

Li Gu Gl U S J B
2 x 0,75²Ni + 1,00²Cu-vn Kf-rt-X

Multi-cored control cable made of glass fibre yarn
Combination of multi-cored connection cable, protective conductor in a common steel wire braid

APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances, extrusion lines, heating furnaces and sleeves.

CONSTRUCTION

Conductor: 2-core nickel strand, bare, 24 x 0,20 mm, Q = 0,75 mm²; length of lay 20 mm, right-hand lay; Ø ≈ 1,15 mm
Core insulation inside: E glass fibre yarn lapping in 4 layers with eco-friendly, silicone-based impregnation; Ø ≤ 2,00 ± 0,10 mm;
Core insulation outside: E glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø = 2,30 ± 0,10 mm
Core identification: blue, brown

Protective earthing conductor: 1-core copper strand, tinned; 32 x 0,20 mm, Q = 1,00 mm²; length of lay 20 mm, left-hand lay; Ø ≈ 1,32 mm
Core insulation inside: E glass fibre yarn lapping in 4 layers with eco-friendly, silicone-based impregnation
Core insulation outside: E glass fibre yarn lapping in eco-friendly, silicone-based impregnation; Ø = 2,50 ± 0,10 mm
Core identification: green/yellow

Core stranding: cores and protective earth wire in layer with optimal length of lay 106 mm, incl. backtwist
Outer braid: galvanised steel wire braid (covering 85%); Ø = 6,00 ± 0,20 mm
Coloured tracer thread: red crossed (other colours optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	300/500 V
Breakdown Test voltage in ball pit, steel ball Ø 2 mm, 1 Min.	
Single core	min. 2200 V
Core-core	min. 2200 V
Core-screen	min. 2200 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 300 °C
Temperature resistance temporary	max. 350 °C

OTHER

Physiologically safe
Free of halogens and solvents
No heavy metals
The silicone impregnation escapes after prelonged temperatures of more than 300°C

Minimum order quantities may be required. Other types, dimensions and price upon request.

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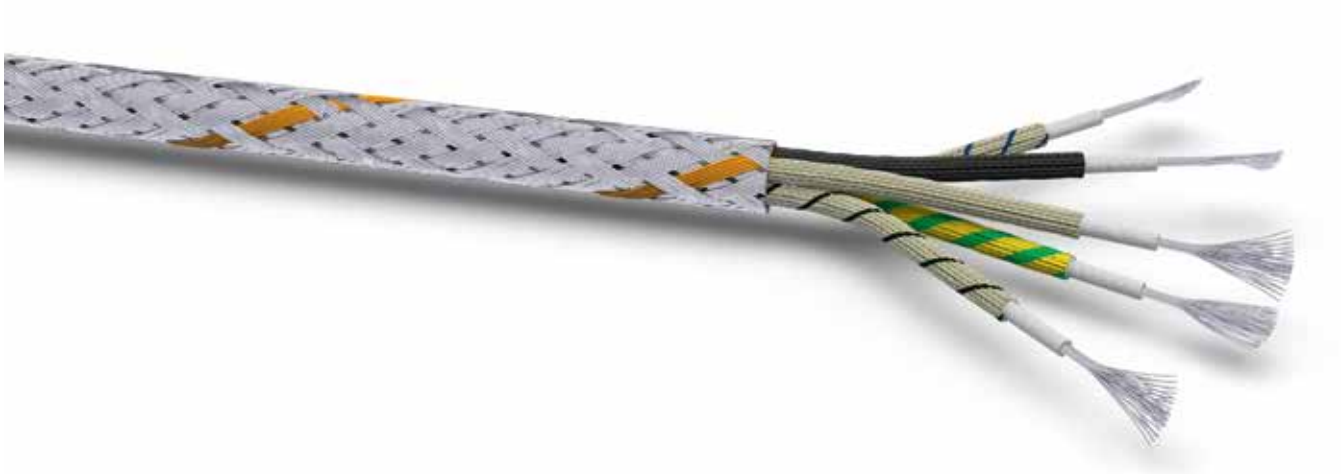
TE Li Gu Gl U S J B

2 x 0,75²Ni + 0,75²Cu-vn + 2 x 0,35²Typ J Kf-or

Multi-cored control cable made of glass fibre yarn
Combination of multi-cored connection cable, protective conductor and thermocouple in a common steel wire braid



APPLICATION

Special cable made of glass fibre yarn for connection and wiring of electric heating appliances, extrusion lines, heating furnaces and sleeves.

CONSTRUCTION

Conductor: 2-core nickel strand, bare, 24 x 0,20 mm, Q = 0,75 mm²; length of lay 20 mm, right-hand lay; Ø ≈ 1,15 mm
Protective earthing conductor: 1-core copper strand, tinned, 24 x 0,20 mm, Q = 0,75 mm²; length of lay 22 mm, left-hand lay; Ø ≈ 1,15 mm
Core insulation inside: E glass fibre yarn lapping in 4 layers with eco-friendly, silicone-based impregnation; Ø ≤ 2,05 ± 0,05 mm
Core insulation outside: E glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø = 2,55 ± 0,10 mm
Core identification: conductor: blue, black (coloured tracer thread); protective earth wire: green/yellow (coloured tracer thread)

Thermocouple Type J: 2 cores acc. to EN 60584 Kl. 1
positive pole: ferrous strand (Fe); negative pole: copper-nickel strand (Cu-Ni)
Core insulation inside: E glass fibre yarn lapping in 2 layers with eco-friendly, silicone-based impregnation; Ø ≤ 1,30 mm
Core insulation outside: E glass fibre yarn lapping in eco-friendly, silicone-based impregnation; Ø ≤ 1,50 mm
Core identification: positive pole: black; negative pole: white

Core stranding: 5 cores in layer with optimal length of lay 105 mm incl. backtwist
Outer braid: galvanised steel wire braid; Ø ≈ 6,70 mm
Coloured tracer thread: orange (other colours optional)

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U	300/500 V
Breakdown Test voltage in ball pit, steel ball Ø 2 mm, 1 Min.	
Single core	min. 2200 V
Core-core	min. 2200 V
Core-screen	min. 2200 V

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 300 °C
Temperature resistance temporary	max. 350 °C

OTHER

Observance of thermovoltage deviation limits EN 60584-2 cl. 1 Type J
Physiologically safe
Free of halogens and solvents
No heavy metals

Minimum order quantities may be required. Other types, dimensions and price upon request.

TE Gu Gl U vs S 2 x 0,8ed Typ J Kf-sw

Glass fibre-insulated thermocouple wire type J

APPLICATION

Glass fibre yarn-insulated thermocouple for thermoelectric temperature measuring equipment.

CONSTRUCTION

Thermocouple Type J: 2 cores acc. to EN 60584 Kl. 1; positive pole:(magnetic): ferrous wire, solid, Ø = 0,80 mm; negative pol (not magnetic): copper-nickel wire, solid, Ø = 0,80 mm

Core insulation inside: E glass fibre yarn lapping in 3 layers with eco-friendly, silicone-based impregnation

Core insulation outside: E glass fibre yarn lapping with eco-friendly, silicone-based impregnation ; Ø ≤ 2,10 mm

Core identification: positive pole: black; negative pole: white

Core stranding: 2 cores wire in layer with optimal length of lay 125 mm, Ø ≤ 4,20 mm

Outer braid: galvanised steel wire braid

Coloured tracer thread: black (other colours optional)

THERMAL & MECHANICAL PROPERTIES

Temperature resistance durable	max. 300 °C
Temperature resistance temporary	max. 350 °C

OTHER

Observance of thermovoltage deviation limits EN 60584-2 cl. 1, Type J

Minimum order quantities may be required. Other types, dimensions and price upon request.

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