

Request for Special Cables



Kabel Sterner
Kabel und Qualität verbinden

Form back to

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Company	
Customer no. (if available)	
Contact person	
Department	
Phone	
Email	
Industry	

Request date	
Request no.	
Required quantity (m/pc)	
☐ By the metre	☐ Ready-made goods
☐ One-off	☐ Recurring
Requested delivery date	
Description	
Dimension	

Sample is available and will be sent.

☐ Yes ☐ No

Packaging:

☐ Drum (in metres):	
☐ Ring (in metres):	
☐ Barrel (in metres):	
☐ Spool (in metres):	
☐ Carton (unit for made-up goods):	

Use:

☐ Indoor	☐ Outdoor	☐ Drinking water	☐ Seawater- water depth: _____
☐ Fixed installation	☐ Light movement	☐ Other: _____	
☐ Highly flexible movement (drag chain / robot / crane / lift etc.)			

Approval:

☐ None	☐ Other: _____
☐ UL	☐ Core style: _____
☐ UL/cUL	☐ Jacket style: _____

Application:

☐ Control cable	☐ Supply cable	☐ Servo /encoder /resolver cable	☐ Welding cable	☐ Installation cable
☐ Combination / hybrid cable	☐ Data cable	☐ Sensor & actuator cable	☐ Measuring cable	☐ Compensating/ extension cable
☐ Sewer inspection wire	☐ Coilable cable	☐ Crane / conveyor cable	☐ Fibre optic cable	☐ Coax cable
☐ BUS cable	☐ LAN cable	☐ Switching wire / groudning single wire	☐ Automotive wire	
☐ Lift suspension cable:	Traversing velocity _____ m/s	Acceleration _____ m/s ²	Distance _____ m	Hook length: _____
☐ Drag chain cable:	Traversing velocity _____ m/s	Acceleration _____ m/s ²	Distance _____ m	Bending radius: _____
☐ Robot cable:	Torsion left/right: _____ °/m			
Additional information: _____				

Conductor structure:

☐ CU- bare	☐ CU- tinned	☐ CU- silver-plated	☐ Fibre optic cable _____
☐ CU- nickel-plated	☐ Steel-copper	☐ Other: _____	
☐ Multi-stranded	☐ Multi-stranded cl.2	☐ Fine-stranded cl.5	☐ Massive ☐ AWG: _____/_____
☐ Fine-stranded cl.6 co.4	☐ Fine-stranded cl.6 co.5	☐ Fine-stranded cl.6 co.6	☐ Fine-stranded cl.6 co.7

Core insulation:

☐ PVC	☐ PE	☐ XLPE	☐ PP	☐ XLPP	☐ Cell-PE
☐ Cell-PP	☐ PUR	☐ TPE-E	☐ TPE-V	☐ FRNC	
☐ PTFE	☐ FEP	☐ PA	☐ None	☐ Other: _____	

Core colour code:

☐ Bw with wb no. without PE	☐ Bw with wb no. + PE	☐ DIN 47100	☐ DIN 47100 (TP)
☐ VDE 0293 o. PE	☐ VDE 0293 + PE	☐ VDE 0293-308 o. PE	☐ VDE 0293-308 + PE
☐ IC-colour code	☐ IC-colour code paired	☐ IEC 60757	☐ Other: _____

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Strain relief:

- | | | | |
|--|--|--|--|
| ☐ Hemp rope | ☐ Textile rope | ☐ Steel rope (galvanised) | ☐ Aramid (Kevlar®) (DuPont) |
| ☐ Bar (FOC/BFC) | ☐ Tensile load: _____ N | ☐ Other: _____ | |

Partial shielding:

- | | | | | |
|---|---|--|---|--------------------------|
| ☐ Single wire | ☐ Pair | ☐ Element: _____ | | |
| ☐ CU bare | ☐ CU tinned | ☐ CU silver-plated | | |
| ☐ Braid (C) | ☐ Mixed braid (C) | ☐ Winding (D) | ☐ Aluminised foil (ST) | Optical density: _____ % |
| ☐ Drain wire: _____ mm | ☐ Strain relief wire : _____ mm ² | ☐ Foil under shield | ☐ Foil over shield | |

Twisting:

- | | | | |
|---|---|--|---------------------------------------|
| ☐ Layer twisting | ☐ Bundle stranding | ☐ Pair twisting | ☐ Star quad |
| ☐ Lang lay | ☐ Alternating lay | ☐ Without stranding | ☐ Other: _____ |

Inner jacket:

- | | | | | | |
|-------------------------------|------------------------------|--------------------------------|--------------------------------|--|---|
| ☐ PVC | ☐ PUR | ☐ TPE-E | ☐ TPE-V | ☐ PE | ☐ Other: _____ |
| ☐ XLPE | ☐ PP | ☐ XLPP | ☐ Soft | ☐ Flame retardant | ☐ Diameter: _____ mm |

Total screen:

- | | | | | |
|--|--|--|--|--------------------------|
| ☐ CU bare | ☐ CU tinned | ☐ CU silver-plated | ☐ Other: _____ | |
| ☐ Braid (C) | ☐ Mixed braid (C) | ☐ Winding (D) | ☐ Aluminium foil (ST) | Optical density: _____ % |
| ☐ Drain wire: _____ | ☐ Strain relief wire: _____ | ☐ Foil under shield | ☐ Foil over shield | |

Armouring:

- | | | | |
|---|-------------------------------------|-------------------------------|-------------------------|
| ☐ Steel wire braid | Galvanised ☐ | Niro ☐ | Optical density _____ % |
| ☐ Steel wire winding | Galvanised ☐ | Niro ☐ | |

Outer jacket:

- | | | | |
|--|--|---|---|
| ☐ PVC | ☐ PUR | ☐ TPE-E | ☐ TPE-V |
| ☐ PA | ☐ PE | ☐ PP | ☐ FRNC |
| ☐ Stripping length: _____ cm / _____ Nm | ☐ Colour: _____ | ☐ Outer diameter Ø: _____ mm | ☐ Manufacture: _____ |
| ☐ Imprint: | ☐ Inkjet (free of charge) | ☐ Print wheel (subject to charge); specify text under comments | ☐ Other: _____ |

Electrical and thermal values:

- | | | | |
|--|--|---|---|
| ☐ Nominal voltage: _____ V / _____ V | ☐ Test voltage: _____ V | ☐ Capacity A/A _____ pF/m | ☐ Insulation resistance: _____ MOhm x km |
| ☐ Operating voltage: _____ V | ☐ Test voltage: _____ V | ☐ Capacity A/S _____ pF/m | |
| ☐ Temperature range dynamic: - _____ °C to + _____ °C | | ☐ Temperature range static: - _____ °C to + _____ °C | |

Flame retardant:

- | | | | | |
|-------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|
| ☐ None | ☐ IEC 60332-1 | ☐ IEC 60332-2 | ☐ IEC 60332-3 | ☐ UL _____ |
|-------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|

Comment: