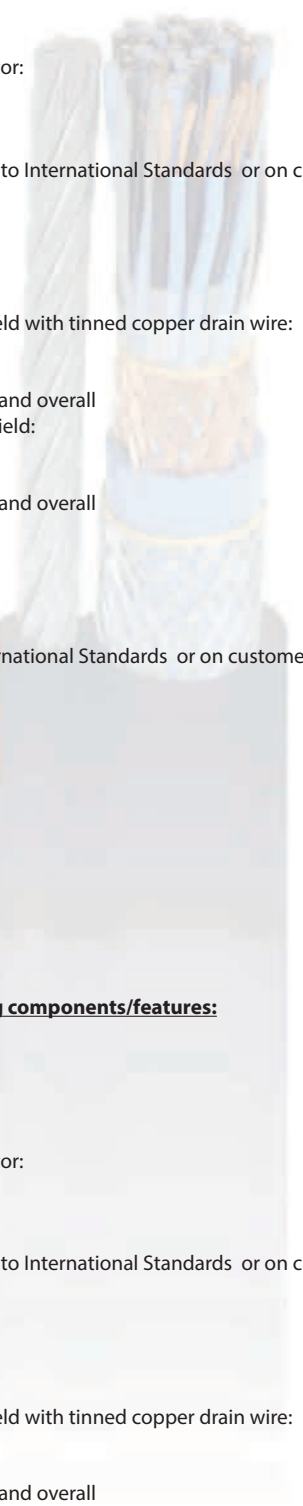
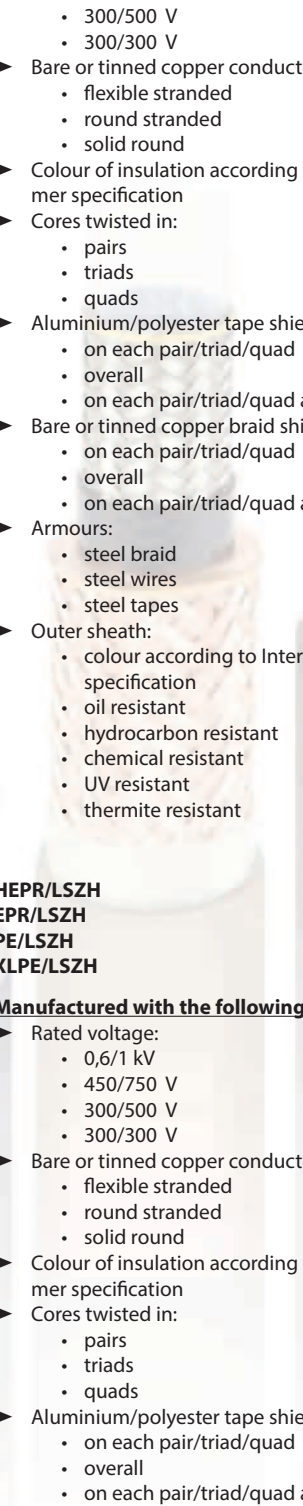
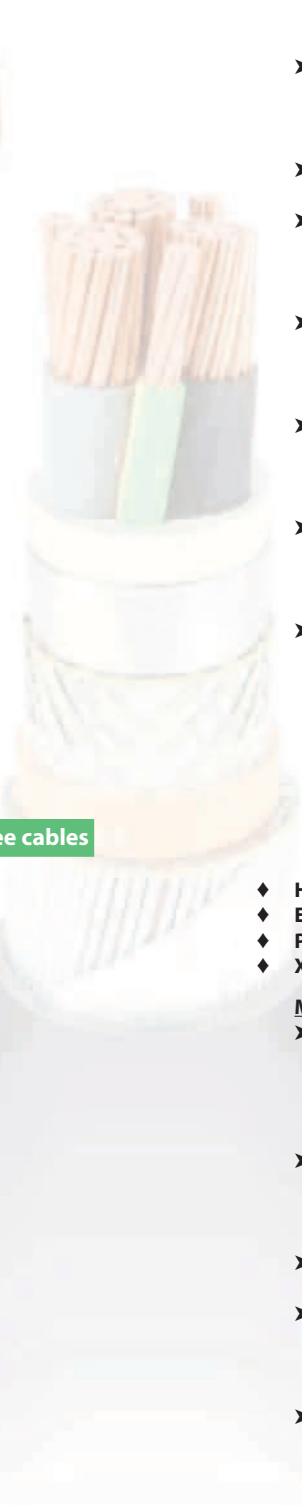


## INSTRUMENTATION FOR INDUSTRIAL APPLICATIONS

### INSTRUMENTATION CABLES



Halogen free cables



- ◆ HEPR/PVC
- ◆ PVC/PVC
- ◆ PE/PVC
- ◆ XLPE/PVC

**Manufactured with the following components/features:**

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Bare or tinned copper conductor:
  - flexible stranded
  - round stranded
  - solid round
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in:
  - pairs
  - triads
  - quads
- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall
- Bare or tinned copper braid shield:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

- ◆ HEPR/LSZH
- ◆ EPR/LSZH
- ◆ PE/LSZH
- ◆ XLPE/LSZH

**Manufactured with the following components/features:**

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Bare or tinned copper conductor:
  - flexible stranded
  - round stranded
  - solid round
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in:
  - pairs
  - triads
  - quads
- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall

- Bare or tinned copper braid shield:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

### Fire resistant/circuit integrity cables

- ◆ MGT/HEPR/LSZH
- ◆ MGT/EPR/LSZH
- ◆ MGT/PE/LSZH
- ◆ MGT/XLPE/LSZH

#### Manufactured with the following components/features:

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Bare or tinned copper conductor:
  - flexible stranded
  - round stranded
  - solid round
- Fire resistance according to:
  - IEC 60331-21
  - CEI EN 50200 or CEI EN 50362
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in:
  - pairs
  - triads
  - quads
- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall
- Bare or tinned copper braid shield:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

## Cables for low-temperature applications

- ◆ HEPR/PVC
- ◆ PVC/PVC
- ◆ EPR/LSZH
- ◆ XLPE/PVC
- ◆ XLPE/LSZH

### **Manufactured with the following components/features:**

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Bare or tinned copper conductor:
  - flexible stranded
  - round stranded
  - solid round
- Fire resistance according to:
  - IEC 60331-21
  - CEI EN 50200 or CEI EN 50362
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in:
  - pairs
  - triads
  - quads
- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall
- Bare or tinned copper braid shield:
  - on each pair/triad/quad
  - overall
  - on each pair/triad/quad and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - PVC and LSZH sheath available in versions ARCTIC -40 °C or ARCTIC -60 °C
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

INSTRUMENTATION CABLES ARE ALSO AVAILABLE IN VERSIONS ACCORDING TO NUOVO PIGNONE STANDARDS (RCO SERIES) AND MONTEDISON/TECNIMONT-MEU TM STANDARDS (BK SERIES)

## THERMOCOUPLE CABLES

- ◆ HEPR/PVC
- ◆ PVC/PVC
- ◆ PE/PVC
- ◆ XLPE/PVC

### **Manufactured with the following components/features:**

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Versions in compliance with:
  - ANSI MC 96.1 standard
  - IEC 60584 A standard
  - NF-C-42-324 standard
  - DIN 43710 standard



Halogen free cables

- ◆ HEPR/LSZH
- ◆ EPR/LSZH
- ◆ PE/LSZH
- ◆ XLPE/LSZH

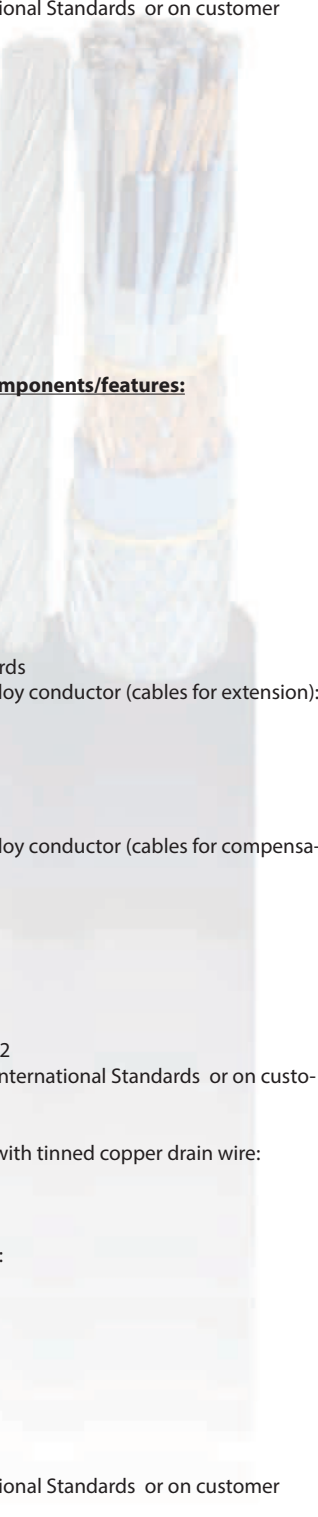
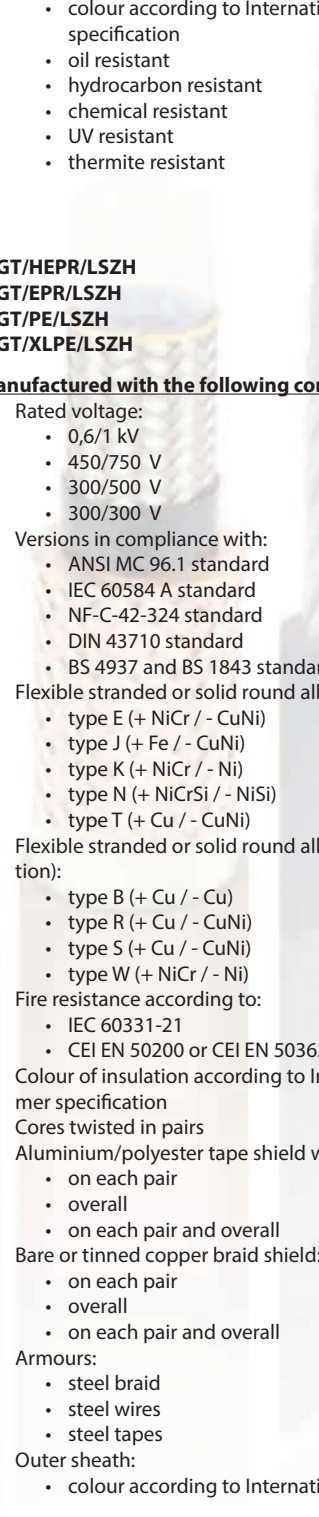
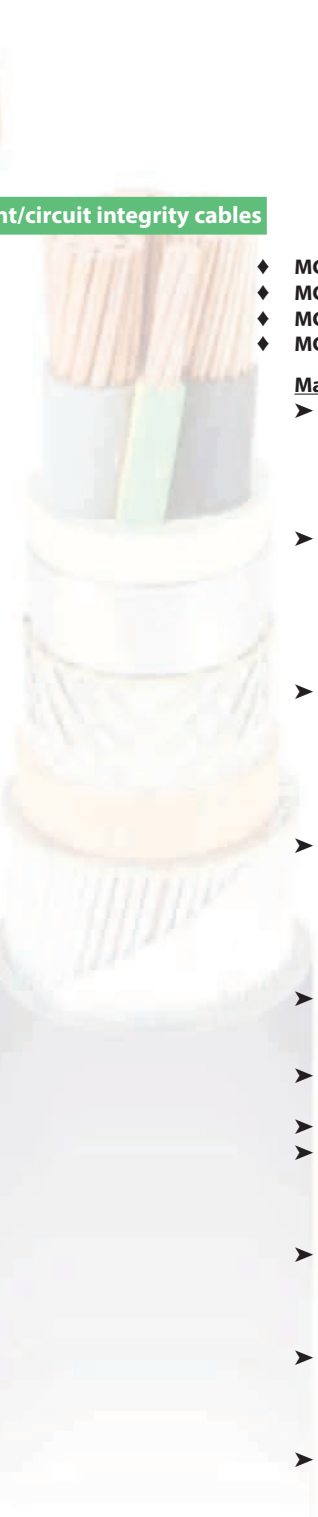
- BS 4937 and BS 1843 standards
- Flexible stranded or solid round alloy conductor (cables for extension):
  - type E (+ NiCr / - CuNi)
  - type J (+ Fe / - CuNi)
  - type K (+ NiCr / - Ni)
  - type N (+ NiCrSi / - NiSi)
  - type T (+ Cu / - CuNi)
- Flexible stranded or solid round alloy conductor (cables for compensation):
  - type B (+ Cu / - Cu)
  - type R (+ Cu / - CuNi)
  - type S (+ Cu / - CuNi)
  - type W (+ NiCr / - Ni)
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in pairs
- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair
  - overall
  - on each pair and overall
- Bare or tinned copper braid shield:
  - on each pair
  - overall
  - on each pair and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

**Manufactured with the following components/features:**

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Versions in compliance with:
  - ANSI MC 96.1 standard
  - IEC 60584 A standard
  - NF-C-42-324 standard
  - DIN 43710 standard
  - BS 4937 and BS 1843 standards
- Flexible stranded or solid round alloy conductor (cables for extension):
  - type E (+ NiCr / - CuNi)
  - type J (+ Fe / - CuNi)
  - type K (+ NiCr / - Ni)
  - type N (+ NiCrSi / - NiSi)
  - type T (+ Cu / - CuNi)
- Flexible stranded or solid round alloy conductor (cables for compensation):
  - type B (+ Cu / - Cu)
  - type R (+ Cu / - CuNi)
  - type S (+ Cu / - CuNi)
  - type W (+ NiCr / - Ni)
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in pairs



Fire resistant/circuit integrity cables



- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair
  - overall
  - on each pair and overall
- Bare or tinned copper braid shield:
  - on each pair
  - overall
  - on each pair and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

- ◆ MGT/HEPR/LSZH
- ◆ MGT/EPR/LSZH
- ◆ MGT/PE/LSZH
- ◆ MGT/XLPE/LSZH

**Manufactured with the following components/features:**

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Versions in compliance with:
  - ANSI MC 96.1 standard
  - IEC 60584 A standard
  - NF-C-42-324 standard
  - DIN 43710 standard
  - BS 4937 and BS 1843 standards
- Flexible stranded or solid round alloy conductor (cables for extension):
  - type E (+ NiCr / - CuNi)
  - type J (+ Fe / - CuNi)
  - type K (+ NiCr / - Ni)
  - type N (+ NiCrSi / - NiSi)
  - type T (+ Cu / - CuNi)
- Flexible stranded or solid round alloy conductor (cables for compensation):
  - type B (+ Cu / - Cu)
  - type R (+ Cu / - CuNi)
  - type S (+ Cu / - CuNi)
  - type W (+ NiCr / - Ni)
- Fire resistance according to:
  - IEC 60331-21
  - CEI EN 50200 or CEI EN 50362
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in pairs
- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair
  - overall
  - on each pair and overall
- Bare or tinned copper braid shield:
  - on each pair
  - overall
  - on each pair and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer

- specification
- oil resistant
- hydrocarbon resistant
- chemical resistant
- UV resistant
- thermite resistant

## Cables for low-temperature applications

- ◆ **HEPR/PVC**
- ◆ **PVC/PVC**
- ◆ **EPR/LSZH**
- ◆ **XLPE/PVC**
- ◆ **XLPE/LSZH**

### Manufactured with the following components/features:

- Rated voltage:
  - 0,6/1 kV
  - 450/750 V
  - 300/500 V
  - 300/300 V
- Versions in compliance with:
  - ANSI MC 96.1 standard
  - IEC 60584 A standard
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  - BS 4937 and BS 1843 standards
- Flexible stranded or solid round alloy conductor (cables for extension):
  - type E (+ NiCr / - CuNi)
  - type J (+ Fe / - CuNi)
  - type K (+ NiCr / - Ni)
  - type N (+ NiCrSi / - NiSi)
  - type T (+ Cu / - CuNi)
- Flexible stranded or solid round alloy conductor (cables for compensation):
  - type B (+ Cu / - Cu)
  - type R (+ Cu / - CuNi)
  - type S (+ Cu / - CuNi)
  - type W (+ NiCr / - Ni)
- Fire resistance according to:
  - IEC 60331-21
  - CEI EN 50200 or CEI EN 50362
- Colour of insulation according to International Standards or on customer specification
- Cores twisted in pairs
- Aluminium/polyester tape shield with tinned copper drain wire:
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  - overall
  - on each pair and overall
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  - on each pair
  - overall
  - on each pair and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - PVC and LSZH sheath available in versions ARCTIC -40 °C or ARCTIC -60 °C
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

THERMOCOUPLE CABLES ARE ALSO AVAILABLE IN VERSIONS ACCORDING TO NUOVO PIGNONE STANDARDS (RCO SERIES) AND MONTEDISON/TECNIMONT-MEU TM STANDARDS (BK SERIES)

◆ **MGT/EPR/LSZH**

**Manufactured with the following components/features:**

- Rated voltage 0,6/1 kV
- Flexible stranded bare or tinned copper conductor
- Fire resistance according to:
  - IEC 60331-21
  - CEI EN 50200 or CEI EN 50362
- Colour of insulation according to International Standards, PA.GA. Standard colours or on customer specification
- Cores twisted in pairs
- Aluminium/polyester tape shield with tinned copper drain wire:
  - on each pair
  - overall
  - on each pair and overall
- Bare or tinned copper braid shield:
  - on each pair
  - overall
  - on each pair and overall
- Armours:
  - steel braid
  - steel wires
  - steel tapes
- Outer sheath:
  - colour according to International Standards or on customer specification
  - oil resistant
  - hydrocarbon resistant
  - chemical resistant
  - UV resistant
  - thermite resistant

