These cables are intended for space use and could be manufactured with different control level:
- \(-AQ\), \(AQR\) or \(AQS\) for Space use or

**Electrical Characteristics**

- Voltage Rating : 600 V. RMS.
- Voltage Test : 100 % Impulse test
  - Immersion test on sample
- Insulation resistance (500 V = 1 mn)
  - > 5000 \(\Omega\) x Km. at 20°C
- Surface resistance (25 mm between Electrodes)
  - > 125 \(\Omega\) x mm

**Thermal Characteristics**

- Temperature rating : -100°C at +200°C (Peak at 260°C)
- Shrinkage : After 6 Hours at 260°C,
  - Shrinkage < 2 mm.
- Cold bend : 4 Hour at - 80°C (On 10 times O.D.)
- Heat ageing : 120 Hour at 250°C.

**Type : 1996**
Physical and Chemical characteristics

- Wall thickness of insulation : 0.20 mm
- Concentricity : ≥ 70%
- Fluids resistance : Solvants, Oils, Hydrocarbons, Skydrol, concentrated acid, Propellant, Dimethylhydrazine (UDMH)
- Non Flammable
- Good radiation resistance

These cables are specially designed to be stripped with thermal device in order to avoid any damage on conductor.

Identification Code :

1996 x xx xxx / xxx → Color coding

Level of Control : AQ S - AQ R or AQ AWG
Number of Conductors
Type Reference


Packaging :

- Minimum length : 30 m
- Cable cleaned, wound on reels with spool hub at least 70 times the maximum external diameter for single wire and 30 times for multiconductor cable.
- The wires spools are heat-sealed into polyethylene bags with a humidity indicator inside.
- Ends are sealed with caps and accessible over a length of 10 cm.

Color coding :

- Plain colors : Coding color :
  - Brown MXX
  - Red RXX
  - Yellow JXX
  - Green VXX
  - Blue BXX
  - Black NXX
  - White WXX

- Colored stripes : Coding color :
  - Red with White stripe RWX
  - Black with White stripe NWX
  - Yellow with White stripe JWX
  - Blue with White stripe BWX
### CHARACTERISTICS OF CONDUCTORS

#### SINGLE CORES

<table>
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<tr>
<th>AWG</th>
<th>Number of Cond.</th>
<th>Cross Section (mm²)</th>
<th>Construction n x mm</th>
<th>Nom. Dia. (mm)</th>
<th>Max. Dia. (mm)</th>
<th>Ohmic Résist. at 20°C (Ω/Km)</th>
<th>Nexans Reference</th>
<th>Nom. Dia. (mm)</th>
<th>Max. Dia. (mm)</th>
<th>Max. Weight (g/m)</th>
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<td>28</td>
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<td>0.096</td>
<td>19 X 0.08 S.P.C.</td>
<td>0.39</td>
<td>0.42</td>
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<td>1996-1-28</td>
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<td>1996-1-26</td>
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<tr>
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<td>19 X 0.12 S.P.C.</td>
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<td>87.50</td>
<td>1996-1-24</td>
<td>0.98</td>
<td>1.03</td>
<td>3.20</td>
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S.P.C. = Silver Plated Copper

**Final Production Control**: According to ESCC. 3901 and BEP 5685.

* Add the control level symbol (AQS - AQ R or AQ).
<table>
<thead>
<tr>
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<th>PAGE</th>
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<td>Origin</td>
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<td>3</td>
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