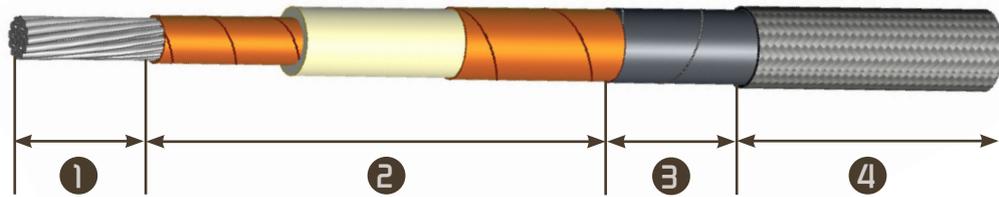


# High temperature cable for satellite electrical propulsion

From min -100°C to max. + 280°C for static applications

From min -50°C to max. +120°C for dynamic applications

Operating voltage : up to 5 kV DC



SPACE APPLICATION

## Construction

### Primary wire

- 1 - Conductor: special nickel plated copper alloy.
- 2 - Multi-layered insulation.

### Layer

- 3 - Special semi-conductive layer.

### Shielding

- 4 - Braided shield: special nickel plated copper alloy.

## Main characteristics

- Radiation resistant up to 200 MRad.
- Maximum operating current up to 12A.
- Resistant to Corona effect.
- EMI protection.
- ESD immunization.
- Ability of the cable to flex and bend.

PRIMARY WIRE			SEMI-CONDUCTIVE LAYER	SHIELDING	
Conductor nominal Ø (mm)	Conductor Area mm <sup>2</sup>	Insulation nominal Ø (mm)	Nominal Ø (mm)	Single strand conductor Ø (mm) for Shielding	Overall shielding Ø (mm)
2.56	3.89	5.10	5.20	0.140	5.35

