High-temperature fluoropolymer, silicone & HV wires

# CMP 83754 4×14 AWG Cable

## CMP 83754 4×14 AWG 200 °C Plenum FEP Control Cable

UL CMP / NFPA 262 plenum-rated 4-conductor red FEP high-temp cable

**UL 444 Type CMP** | **300 V · +200 °C** | **Fluoropolymer HT**



## Application

CMP 83754 4×14 AWG FEP delivers four stranded tinned copper conductors in FEP insulation and a red NFPA 262 plenum-rated FEP jacket rated 300/600 V and 200 °C for air-handling plenums and chemical plants.

**Typical uses:** Industrial ovens, kilns & thermal processing, Aerospace avionics, defence & instrumentation, Steelworks, glassworks & foundry equipment, Switchgear cabinets, motors & heating appliances

## Construction






Cross-section, not to scale

| | | |
|---|---|---|
| 1 | **Conductor** | ASTM B172 / B33 Class K flexible tinned annealed copper · ASTM B172 / B33 |
| 2 | **Dielectric / core insulation** | Extruded FEP fluoropolymer (colour-coded 4-conductor) · UL 444 Type CMP |
| 3 | **Core assembly & separator** | Concentric cabled core assembly with low-friction fleece/polyester separator tape · UL 444 Type CMP |
| 4 | **Outer sheath** | Red NFPA 262 / FT6 plenum-rated extruded FEP outer jacket · Low-Smoke Plenum FT6 |

## Technical data

Typical values

| | | | |
|---|---|---|---|
| **Rated voltage** | 300 V | **Test voltage** | 2 kV AC |
| **Conductor** | Tinned Cu · Cl.K | **Insulation** | Extruded FEP fluoropolymer (colour-coded |
| **Impedance / insulation** | ≥ 1,000 MΩ·km at 20 °C | **Temp. range (fixed)** | -70 °C to +200 °C |
| **Temp. range (flexing)** | -40 °C to +200 °C | **Peak / short-circuit** | +220 °C (short-term) |
| **Min. bending radius** | 10 × OD (fixed) | **Flame / fire rating** | Low-Smoke Plenum FT6 |
| **Thermal / chemical** | 200 °C Continuous FEP | **Mechanical / special** | Chemical & Solvent Proof |
| **Outer finish** | Red NFPA 262 / FT6 plenum-rated extruded | | |

## Sizes

6 standard constructions

**Tick the sizes you need** and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

| Cores × AWG | Outer Ø ≈ mm | Max. R20 Ω/km | Metal index kg/km | Weight ≈ kg/km | Min. bend R 10×D mm |
|---|---|---|---|---|---|
| ☐ 4×22 AWG | 4.8 | 59.40 | 12 | 46 | 48 |
| ☐ 4×20 AWG | 5.4 | 36.70 | 19 | 64 | 54 |
| ☐ 4×18 AWG | 6.2 | 23.20 | 31 | 93 | 62 |
| ☐ 4×16 AWG | 7.0 | 14.70 | 49 | 132 | 70 |
| ☐ 4×14 AWG | 8.2 | 9.07 | 77 | 196 | 82 |
| ☐ 7×18 AWG | 7.6 | 23.20 | 54 | 150 | 76 |

- Conductor DC resistance R20 at 20 °C per ASTM B172 / B33.
- Minimum bending radius calculated at 10 × nominal outer diameter (OD). Custom core counts and lengths available on request.

## Standards and approvals

- UL 444 Type CMP
- NFPA 262 Plenum
- CSA FT6
- EN 10204 3.1 Factory Test Certificate
- CE, RoHS 2 (2011/65/EU) & REACH

## Certifications

**Management systems:** ISO 9001, ISO 14001, ISO 45001

### Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
**+86 185 9591 3361**

Email
**info@tebaoflex.com**

Web
**tebaoflex.com/cables/cmp-83754-4x14-awg-fep-plenum-high-temp-cable**

Typical values for this cable type, based on UL 444 Type CMP · NFPA 262 Plenum · CSA FT6. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.