**CFCF Ceramic Fiber**

**MCFCF Ceramic Fiber**

**PRODUCT DESCRIPTION**
Highest temperature flexible insulation available. The braided yarn is a composition of the oxides of alumina, boron and silicon. Each conductor as well as the overall jacket are braided with this high temperature yarn to provide maximum flexibility at extremely high temperatures.

**PERFORMANCE FEATURES**
- Designed for continuous use at temperatures to 2200°F (1205°C), intermittent use to 2600°F (1430°C).
- Good abrasion and chemical resistance.

**APPLICATIONS**
- As a replacement for beaded thermocouples
- Heat treating
- Coke ovens
- Soaking pits
- Furnace survey thermocouples
- Brick & tile kilns

**Calibration:**
- ANSI Type K
- Chromel/Alumel

**Insulation Color Code:**
Positive - Yellow Tracer
Negative - Red Tracer
Overall - White with Yellow Tracer

**Nominal Weight!**
- 1000 ft.

**Order Code**
- K-14-MCFCF
- K-16-MCFCF
- K-20-MCFCF
- K-14-CFCF
- K-16-CFCF
- K-20-CFCF

**AWG No.**
- 14
- 16
- 20

**Type Wire**
- Solid

**Temperature (°F)**
- Continuous
- Intermittent

**Insulation**
- Mica
- Ceramic Braid

**Weight/1000 ft.**
- 42
- 30
- 16
- 40
- 28
- 14

**Calibration:**
- ANSI Type J
- Iron/Constantan

**Order Code**
- J-20-MCFCF
- J-20-CFCF

**AWG No.**
- 20

**Type Wire**
- Solid

**Temperature (°F)**
- Continuous
- Intermittent

**Insulation**
- Mica
- Ceramic Braid

**Weight/1000 ft.**
- 16
- 14

**Calibration:**
- ANSI Type E
- Chromel/Constantan

**Order Code**
- E-20-MCFCF
- E-20-CFCF

**AWG No.**
- 20

**Type Wire**
- Solid

**Temperature (°F)**
- Continuous
- Intermittent

**Insulation**
- Mica
- Ceramic Braid

**Weight/1000 ft.**
- 16
- 14

**PRODUCT DESCRIPTION & PERFORMANCE FEATURES**
This construction has a mica barrier tape applied to each single conductor prior to being insulated with the ceramic fiber yarns. The construction is identical to the CFCF construction shown in the adjacent column except for the addition of a light jacket saturant and the mica tape, which protects against potential shorting from the back carbon residue which forms when the product is used in applications where the air is limited, such as thermocouples in protection tubes. The mica may also provide moisture protection during temperature cycling.

**APPLICATIONS**
For use in closed tubes or protected atmosphere
- As a replacement for beaded thermocouples
- Heat treating
- Coke ovens
- Soaking pits
- Furnace survey thermocouples
- Brick & tile kilns

**Calibration:**
- ANSI Type K
- Chromel/Alumel

**Insulation Color Code:**
Positive - White Tracer
Negative - Red Tracer
Overall - White with Red Tracer

**Nominal Weight!**
- 1000 ft.

**Order Code**
- K-14-MCFCF
- K-16-MCFCF
- K-20-MCFCF
- K-14-CFCF
- K-16-CFCF
- K-20-CFCF

**AWG No.**
- 14
- 16
- 20

**Type Wire**
- Solid

**Temperature (°F)**
- Continuous
- Intermittent

**Insulation**
- Mica
- Ceramic Braid

**Weight/1000 ft.**
- 42
- 30
- 16
- 40
- 28
- 14

**Calibration:**
- ANSI Type J
- Iron/Constantan

**Order Code**
- J-20-MCFCF
- J-20-CFCF

**AWG No.**
- 20

**Type Wire**
- Solid

**Temperature (°F)**
- Continuous
- Intermittent

**Insulation**
- Mica
- Ceramic Braid

**Weight/1000 ft.**
- 16
- 14

**Calibration:**
- ANSI Type E
- Chromel/Constantan

**Order Code**
- E-20-MCFCF
- E-20-CFCF

**AWG No.**
- 20

**Type Wire**
- Solid

**Temperature (°F)**
- Continuous
- Intermittent

**Insulation**
- Mica
- Ceramic Braid

**Weight/1000 ft.**
- 16
- 14