

CGFC Series Heat Shrink Tubing

pro-POWER



Features:

- It is a tough, flexible, general purpose polyolefin tubing with good resistance to common fluids and solvents and a high dielectric strength
- General purpose, polyolefin heat-shrinkable tubing
- Very good chemical and solvent resistance, wide range of colours black, red, yellow, green, blue, white including green/yellow stripes, flexible, excellent physical and electrical performance
- 3:1 shrink ratio its unique blend of chemical, electrical and physical properties make it suitable for a wide range of applications including electrical insulation, strain relief, cable bundling, colour coding and identification of wires, cables, pipes and electrical and electronic components and mechanical protection

Specifications:

Operating Temperature Range : -40°C to +135°C
 Min. Shrink Temperature : +80°C
 Min. Full Recovery Temperature : +120°C

Performance

| Test | Test Method | Test Requirement |
|----------------------|--------------------------------|--|
| Heat Ageing | ISO188 (168 Hours at 150°C) | Min. Ultimate Elongation : 150% |
| Corrosion Resistance | ASTM D2671 (16 Hours at 175°C) | No Corrosion of Mirrors |
| Dielectric Strength | IEC 243 | Ø ≤25.4 20MV/m Ø >25.4 10MV/m |
| Fluid Resistance | 24 Hours at 23°C, ISO 37 | Min. Tensile Strength : 5MPa Min. Ultimate Elongation : 175% |
| | Test Fluids | Petrol (100 Octane) Lubricating Oil (0.148) Hydraulic Fluid (H515) |



Part Number Table

| Inside Diameter | | Wall Thickness | Length (m) | Colour | Part Number |
|-------------------------------|----------------------------------|-------------------------------------|------------|--------|-------------|
| Min. Expanded as Supplied (D) | Max. Recovered After Heating (d) | Nominal Recovered After Heating (W) | | | |
| 3 | 1 | 0.55 | 10 | Black | CGFC-3/1-0 |
| 6 | 2 | 0.65 | 7 | Black | CGFC-6/2-0 |
| 9 | 3 | 0.75 | 5 | Black | CGFC-9/3-0 |
| 12 | 4 | 0.75 | 4 | Black | CGFC-12/4-0 |
| 18 | 6 | 0.85 | 3 | Black | CGFC-18/6-0 |
| 24 | 8 | 1 | 3 | Black | CGFC-24/8-0 |

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 www.newark.com
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| Inside Diameter | | Wall Thickness | Length (m) | Colour | Part Number |
|-------------------------------|----------------------------------|-------------------------------------|------------|--------------|--------------|
| Min. Expanded as Supplied (D) | Max. Recovered After Heating (d) | Nominal Recovered After Heating (W) | | | |
| 3 | 1 | 0.55 | 10 | Red | CGFC-3/1-2 |
| 6 | 2 | 0.65 | 7 | Red | CGFC-6/2-2 |
| 9 | 3 | 0.75 | 5 | Red | CGFC-9/3-2 |
| 12 | 4 | 0.75 | 4 | Red | CGFC-12/4-2 |
| 18 | 6 | 0.85 | 3 | Red | CGFC-18/6-2 |
| 24 | 8 | 1 | 3 | Red | CGFC-24/8-2 |
| 3 | 1 | 0.55 | 10 | Yellow | CGFC-3/1-4 |
| 6 | 2 | 0.65 | 7 | Yellow | CGFC-6/2-4 |
| 9 | 3 | 0.75 | 5 | Yellow | CGFC-9/3-4 |
| 12 | 4 | 0.75 | 4 | Yellow | CGFC-12/4-4 |
| 18 | 6 | 0.85 | 3 | Yellow | CGFC-18/6-4 |
| 24 | 8 | 1 | 3 | Yellow | CGFC-24/8-4 |
| 3 | 1 | 0.55 | 10 | Green | CGFC-3/1-5 |
| 6 | 2 | 0.65 | 7 | Green | CGFC-6/2-5 |
| 12 | 4 | 0.75 | 4 | Green | CGFC-12/4-5 |
| 18 | 6 | 0.85 | 3 | Green | CGFC-18/6-5 |
| 3 | 1 | 0.55 | 10 | Blue | CGFC-3/1-6 |
| 6 | 2 | 0.65 | 7 | Blue | CGFC-6/2-6 |
| 9 | 3 | 0.75 | 5 | Blue | CGFC-9/3-6 |
| 12 | 4 | 0.75 | 4 | Blue | CGFC-12/4-6 |
| 18 | 6 | 0.85 | 3 | Blue | CGFC-18/6-6 |
| 24 | 8 | 1 | 3 | Blue | CGFC-24/8-6 |
| 3 | 1 | 0.55 | 10 | White | CGFC-3/1-9 |
| 6 | 2 | 0.65 | 7 | White | CGFC-6/2-9 |
| 9 | 3 | 0.75 | 5 | White | CGFC-9/3-9 |
| 12 | 4 | 0.75 | 4 | White | CGFC-12/4-9 |
| 18 | 6 | 0.85 | 3 | White | CGFC-18/6-9 |
| 24 | 8 | 1 | 3 | White | CGFC-24/8-9 |
| 3 | 1 | 0.55 | 10 | Green/Yellow | CGFC-3/1-45 |
| 9 | 3 | 0.75 | 5 | Green/Yellow | CGFC-9/3-45 |
| 12 | 4 | 0.75 | 4 | Green/Yellow | CGFC-12/4-45 |
| 18 | 6 | 0.85 | 3 | Green/Yellow | CGFC-18/6-45 |
| 24 | 8 | 1 | 3 | Green/Yellow | CGFC-24/8-45 |

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| Inside Diameter | | Wall Thickness | Length (m) | Colour | Part Number |
|-------------------------------|----------------------------------|-------------------------------------|------------|--------|-------------|
| Min. Expanded as Supplied (D) | Max. Recovered After Heating (d) | Nominal Recovered After Heating (W) | | | |
| 3 | 1 | 0.55 | 10 | Clear | CGFC-3/1-X |
| 6 | 2 | 0.65 | 7 | Clear | CGFC-6/2-X |
| 12 | 4 | 0.75 | 4 | Clear | CGFC-12/4-X |
| 18 | 6 | 0.85 | 3 | Clear | CGFC-18/6-X |
| 24 | 8 | 1 | 3 | Clear | CGFC-24/8-X |

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