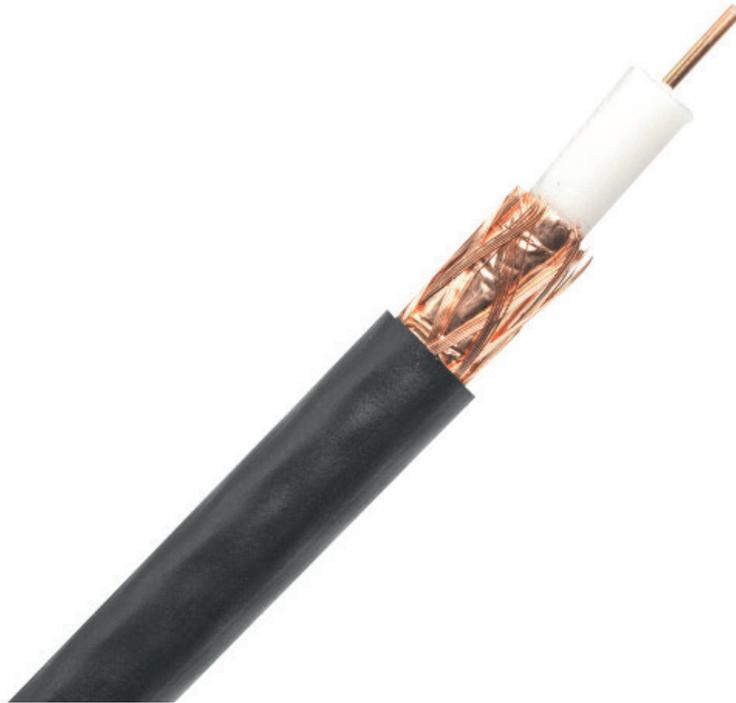




Product Data Sheet

Webro WF100 Foam Dielectric Black (LSF) 100M

Description



WF100 cable is the UK's most popular coaxial cable for TV and Satellite installations and is widely regarded as the highest quality coaxial cable in the market.

Not only is WF100 CAI-approved, it also meets the Cca s1b, d2, a2 CPR substandards required by BS6701 for the installation of telecommunications cables.

WF100 cable, or Webro Foam 100 coax cable is suitable for many applications, including low power video, video signal and broadband signals. It is also be used in high-frequency transmission, especially for transmitters and receivers, computers, radio and TV transmitters. WF100 is 4K TV & Ultra High Definition compatible.

Consisting of a 1.00mm solid plain copper conductor, foam polyethylene dielectric, copper foil tape and a plain copper wire braid. Argosy stocks in either PVC or LSF sheath material in black.

| Product | SKU |
|--|------------|
| WEBRO WF100 FOAM DIELECTRIC BLACK (LSF) 100M | AH-00-5090 |



Product Data Sheet

Webro WF100 Foam Dielectric Black (LSF) 100M

Technical Specification

Webro WF100 Foam Dielectric Black (LSF) 100M Specification

| | | |
|---|-------------------------------------|--------------------------------|
| Conductor Material: Plain Annealed Copper | Nominal Capacitance: 54 pF/m | |
| Conductor Stranding: Solid, 1/1.00mm | Velocity of Propagation: 82% | |
| Dielectric Material: Foam Polyethylene (FPE) | Attenuation @ 20°C | |
| Dielectric Diameter: 4.60mm ± 0.10 | Frequency (MHz): | Attenuation (per 100m): |
| Screening 1: Overall Plain Copper Foil | 5 | 1.60 dB |
| Screening 1 Coverage: > 100% | 50 | 4.60 dB |
| Screening 2: Plain Copper Wire Braid | 100 | 6.50 dB |
| Screening 2 Coverage: > 55% ± 3 | 200 | 9.50 dB |
| Sheath Material: Low Smoke & Fume (LSF) | 460 | 15.0 dB |
| Sheath Colour: Black | 860 | 19.5 dB |
| Mechanical Characteristics | 1000 | 21.5 dB |
| Overall Diameter: 6.65mm ± 0.30mm | 1750 | 29.0 dB |
| Temperature Range: Fixed -15°C to +70°C Flexing -5°C to +70°C | 2150 | 32.5 dB |
| Bend Radius: 10 x Overall Diameter | Return Loss @ 20°C | |
| Weight: 51kg/km | Frequency (MHz): | Return Loss: |
| Electrical Characteristics | 5MHz – 30MHz | ≥ 23 dB |
| Inner Conductor DC Resistance: ≤ 26.0 Ω/km @ 20°C | 30MHz – 470MHz | ≥ 23 dB |
| Outer Conductor DC Resistance: ≤ 15 Ω/km @ 20°C | 470MHz – 862MHz | ≥ 20 dB |
| Characteristic Impedance: 75 Ω ± 3Ωm | 862MHz – 2150MHz | ≥ 18 dB |

Certifications & Standards:

CAI Certification: CAI 0116F

Screening Class: BS EN 50117

Flame Retardancy: BS EN 60332-1-2

RoHS 3 Compliant: Yes

REACH Compliant: Yes

UKCA CPR Classification: Eca to BS EN 50575:2014+A1:2016