



The Fibrepoint®

DC48

Hybrid POF / Copper cable

- 1 Plastic Optical Fibre, Simplex, 1mm core, 0.5 N/A, marked jacket
- 2 Plastic Optical Fibre, Simplex, 1.5mm including plain white jacket
- 3 Solid annealed copper wire, 0.5mm diameter, with LSZH, red jacket (approx AWG 24)
- 4 Solid annealed copper wire, 0.5mm diameter, with LSZH, black jacket (approx AWG 24)
- 5 Aramid fibre ripcord red
- 6 Outer jacket, LSZH, white, 4.8mm diameter

The backbone of the fibrepoint® network is a Dc48 compatible hybrid cable. Its design provides for 2 Plastic Optical Fibres (POF) and two copper conductors. This combination is used to provide high speed data and a low voltage 48V DC supply to each outlet in the fibrepoint® system.

POF makes installation simple; it can be easily cut, there is no need to polish the fibre and no special tools are required for installation. The fibrepoint® hybrid cable uses two separate POF cores that provide great flexibility for the overall cable, which is important when installing in the confined spaces found in the home.

The fibrepoint® hybrid cable contains both the Plastic Optical Fibre and the copper conductors within a low smoke, zero halogen over jacketing. Individual optical fibers are 1.5mm in diameter with a 1mm optical core and a 0.5 numerical aperture (NA) the copper cores can be specified according to the application and can provide up to 100 watts per fibrepoint® WallPort outlet.

To make installation simpler an easy pull rip cord allows you to strip the outer jacket without damaging the fibre inside.

All fibrepoint® connections are designed to be push fit, so no special tooling is required to terminate this cable. All together we think this is the most user friendly Dc48 data cable available today.

Although fibrepoint® system is currently running at 100Mb the Plastic Optical Fibre is designed to run at 200Mb and has been tested at Gigabit speeds so, as future hardware evolves, it should be possible to upgrade the network to these speeds without replacing the cable infrastructure.



• Individual Fibres for enhanced flexibility



• Simple installation No specialist tool required



Dc48™

• Part of a Low Voltage Dc48 Compatible System

fibrepoint® is a registered trade mark of Fibrepoint Ltd.

SENKO ADVANCED COMPONENTS, INC.

Americas
USA EAST 1-888-32-SENKO
USA WEST 1-858-623-3300
Sales-Americas@senko.com

Asia
HONG KONG +852-2121-0516
SHANGHAI +86-21-5830-4513
SHENZHEN +86-755-2533-4893
WUHAN +86-27-8725-9057
Sales-Asia@senko.com

Europe
UK +44 (0) 118 982 1600
ITALY +39 011 839 9828
POLAND +48 71 776 0737
Sales-Europe@senko.com

Asia Pacific
AUSTRALIA +61 (0) 3 9755-7922
Sales-Asia-Pacific@senko.com
Middle East North Africa
Dubai +971 4 8865160
Sales-MENA@senko.com

Japan
TOKYO +81 (0) 3 5825-0911
Sales-Japan@senko.com

www.fibrepoint.co.uk

www.senko.com