



## etherFLEX Cat5e SFTP Cable Assembly

- Ruggedised CAT5e
- High Performance
- High Reliability
- EtherSound Tested
- IP54 Water Protection with SE8FD
- The RJ45 System for Demanding Environments



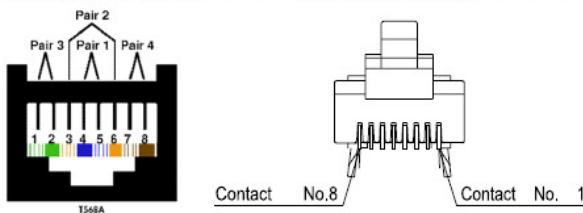
## etherNET Cable Assembly

etherFLEX is a ruggedised touring class data cable for CAT5e applications. This high performance Shielded Foil Twisted Pair (SFTP) cable is certified to CAT5e, endorsed by most digital desk manufacturers as the only truly reliable solution and EtherSound tested. The additional shield and foil shielding protects against EMI and RFI. The stranded cores allow repeated flexing, dramatically increasing reliability, robustness and prolonging the life of the cable.

Each Ethernet cable assembly uses high performance etherFLEX cable and is terminated both ends with a high quality RJ45 connector.

As standard each RJ45 connector is housed in a NE8MC-B-1, suitable for harsh and demanding environments. The rugged black chromium shell and unique chuck type strain relief protects the Ethernet connection in a variety of commercial type applications and is designed to prevent breakage of the fragile components of the standard RJ45 connector, as well as providing the superior NEUTRIK latching system.

Electrical Characteristics @ 100MHz	
Characteristic Impedance	100 ohms $\pm$ 15%
NEXT (min.)	35dB (41dB nom.)
PS-NEXT (min.)	32dB/10m (38dB nom.)
ELFEXT (min.)	24dB/10m (28dB nom.)
PS-ELFEXT (min.)	21dB (25dB nom.)
Return Loss (min.)	32dB
Propagation Delay	$\leq$ 535nS/100m



Using the SE8FED Assembly kit for D-series etherCON connectors achieves a waterproof IP54 connection when used in conjunction with the NE8MC-B-1



## SPECIFICATIONS

Cable Diameter 6.9mm  
 Jacket PUR  
 Operating Temperature 0°C + 50°C

Lengths up to 120m  
 Part No ETHERNET-xM (no reel)  
 ETHERNET-xM-DRUM (with reel)  
*(x-length in metres)*