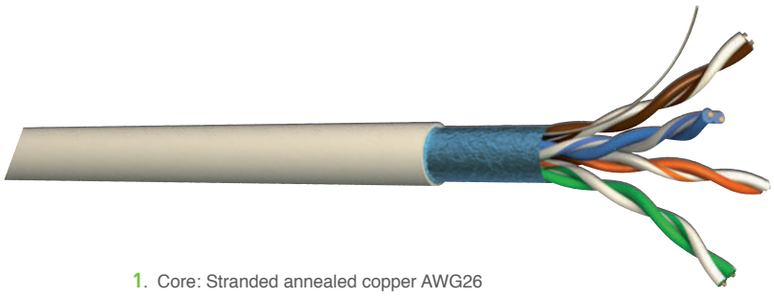
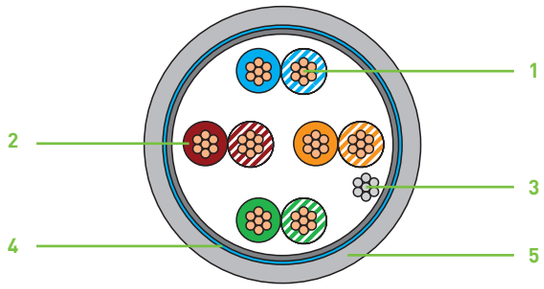
CAT5E F/UTP STRANDED CORE CABLE



SGBP4

1. Core: Stranded annealed copper AWG26
2. Insulation: High-density PE
3. Drain Wire: stranded tinned copper AWG26
4. Shielding: Al/Pet foil – 110% coverage
3. Jacket: PVC or LSZH –Grey RAL 7035



FEATURES AND BENEFITS

- Exceeds CAT5e standard specifications
- To be used for CAT5e patch cords
- Available in different colours on request

NETWORK APPLICATIONS

- ISDN - VoIP
- TOKEN RING 4/16 Mbits - 100 VG-AnyLAN
- TP-PMD/TP-DDI - ATM 155, 622,1200 Mbits
- ETHERNET: 10 Base T, 100 Base Tx, 100 Base T4, 1000 Base T

CABLING STANDARDS

- CABLE: - IEC 61156
  - EN 50288-3-2
- SYSTEM: - EIA/TIA 568-B.2 – CAT5e
  - ISO 11801 Edition 2 - CLASS D
  - EN 50173 Edition 2 – CLASS D

TECHNICAL CHARACTERISTICS

- Linear resistance (max.) : <170 Ω / Km
- Characteristic impedance : from 1 to 100 MHz) 100 +/- 15 Ω
- Mutual capacity (nom.) : 50 pF / m
- Nominal velocity propagation : 66 %
- Operating temperature : - 20° C / + 70°C
- Bending radius (min.) : 8 x Cable diameter

F (MHz)	INSERTION LOSS (dB/100 m)		NEXT (dB/100 m)		RETURN LOSS (dB/100 m)	
	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C
1	3.0	2.4	65.3	73	20.0	23
4	6.2	4.9	56.3	63	23.3	26
10	9.8	7.8	50.3	56	25.0	27
16	12.3	9.8	47.2	53	25.0	28
20	14.0	11.2	45.8	51	25.0	28
25	15.7	12.5	44.3	50	24.2	26
31.25	17.7	14.1	42.9	48	23.3	25
62.5	25.6	20.5	38.4	43	20.7	23
100	33.0	26.4	35.3	39	19.0	21

ORDERING INFORMATION

Part Number	Pairs	Core Section	Shielding	Jacket	Outer Diameter	Weight	Packaging
SGBP4X	4	AWG 26	F/UTP	PVC	5.60 mm	38 Kg/Km	100M - 500M - 1000M
SGBP4SH	4	AWG 26	F/UTP	LSZH	5.60 mm	38 Kg/Km	500M - 1000M

* X = colour