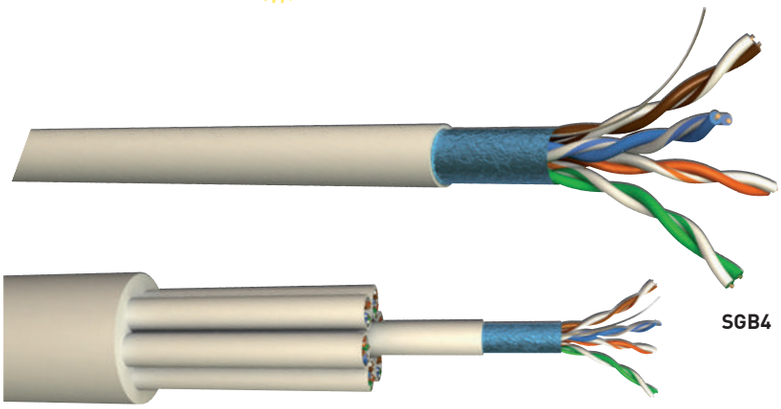
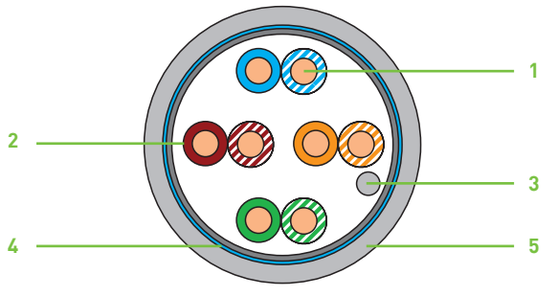
CATEGORY 5E CABLES - F/UTP



SGB4

SGB32



1. Core: Solid annealed copper AWG24
2. Insulation: High-density PE
3. Drain wire: Solid tinned copper AWG24
4. Shielding: Al/PE foil – 110% coverage
5. Jacket: PVC or LSZH – Grey RAL 7035

CABLING STANDARDS

- CABLE: - IEC 61156-5
  - EN 50288-2-1
- SYSTEM: - ISO/IEC 11801 Edition 2 – CLASS D
  - EN 50173 Edition 2 – CLASS D
  - EIA/TIA 568-B.2 CAT5e

FEATURES AND BENEFITS

- Exceed CAT5e standard requirements
- Available in 3 x 4, 8 x 4 and 16 x 4 versions

TECHNICAL CHARACTERISTICS

- Linear resistance (max.): 94 Ω / Km
- Characteristic impedance: (from 1 to 100 MHz) 100 +/- 15 Ω
- Mutual capacity (nom.): 50 pF / m
- Coupling attenuation (nom.): 65 dB
- Nominal velocity propagation: 66 %
- Operating temperature: - 20° C / + 70°C
- Bending radius (min.): 8 x Cable diameter

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

F (MHz)	INSERTION LOSS (dB/100 m)		NEXT (dB/100 m)		ACR-N (dB/100 m)		PSNEXT (dB/100 m)		ACR-F (dB/100 m)		PSACR-F (dB/100 m)		RETURN LOSS (dB/100 m)	
	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C
1	2.0	1.7	65.3	75	63.3	73	62.3	72	63.8	79	60.8	76	20.0	28
4	4.1	4.0	56.3	69	52.2	65	53.3	66	51.8	73	48.8	70	23.0	30
10	6.5	6.2	50.3	62	43.8	56	47.3	59	43.8	63	40.8	60	25.0	38
16	8.2	8.1	47.2	58	39.1	50	44.2	55	39.7	61	36.7	58	25.0	38
20	9.3	9.1	45.8	56	36.5	45	42.0	53	37.8	60	34.8	57	25.0	37
25	10.4	10.2	44.3	54	33.9	44	41.3	51	35.8	55	32.8	52	24.3	36
31.25	11.7	11.5	42.9	53	31.2	42	39.9	50	33.9	53	30.9	50	23.6	35
62.5	17.0	16.8	38.4	49	21.4	33	35.4	46	27.9	50	24.9	47	21.5	34
100	22.0	21.7	35.3	45	13.3	24	32.3	42	23.8	49	20.8	46	20.1	32

ORDERING INFORMATION

Part Number	Pairs	Core Section	Shielding	Jacket	Outer Diameter	Weight	Packaging
SGB4	4	AWG24	F/UTP	PVC	5.8 mm	38 kg/km	C100M - B305M - 500M -1000M
SGB4SH	4	AWG24	F/UTP	LSZH	5.8 mm	38 kg/km	C100M - B305M - 500M - 1000M
SGB8	2 x 4	AWG24	F/UTP	PVC	5.8 x 13 mm	76 kg/km	500 M - 1000M
SGB8SH	2 x 4	AWG24	F/UTP	LSZH	5.8 x 13 mm	76 kg/km	500 M - 1000M
SGB12SH	3 x 4	AWG24	F/UTP	LSZH	17 mm	175 kg/km	1000M
SGB32SH	8 x 4	AWG24	F/UTP	LSZH	23 mm	445 kg/km	500M
SGB64SH	16 x 4	AWG24	F/UTP	LSZH	32 mm	830 kg/km	500M