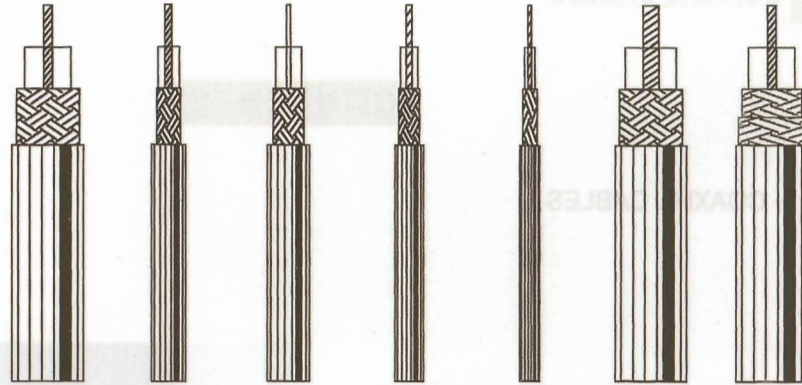


**COAXIAL CABLES  
TO MIL - C - 17G**



RG TYPE CODE NR	RG-11 CCS 75/5	RG-58C/U CCS 50/21	RG-59/U CCS 75/18	RG-122/U CCS 50/22	RG-174/U CCS 50/23	RG-213/U CCS 50/20	RG-216 CCS 75/24
<b>CONSTRUCTION</b>							
<b>INNER CONDUCTOR</b>							
Size (mm)	7/0.4	19/0.18	1/0.574	27/0.127	7/0.16	7/0.724	7/0.4
Material	TCu	TCu	CuW*	TCu	CuW*	Cu	TCu
<b>DIELECTRIC</b>							
Size (mm)	7.24	2.95	3.71	2.44	1.50	7.24	7.24
Material	PE	PE	PE	PE	PE	PE	PE
<b>OUTER CONDUCTOR</b>							
1-	Cu Br	TCu Br	Cu Br	TCu Br	TCu Br	Cu Br	Cu Br
2-	---	---	---	---	---	---	Cu Br
<b>OUTER SHEATH</b>							
Approx. O.D. (mm)	10.29	4.90	6.12	4.06	2.79	10.29	10.8
Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC
<b>APPROX. WEIGHT</b>							
(Kg/Km)	148	39	52	27	13	165	187
<b>ELECTRICAL DATA</b>							
IMPEDANCE (Ohm)	75	50	75	50	50	50	75
<b>Capacitance</b>							
Approx. pF/M	67.2	101	67.2	101	101	101	67.2
<b>VELOCITY RATIO %</b>							
	66	66	66	66	66	66	66
<b>Attenuation</b>							
<b>(dB/100m) at:</b>							
10 MHz	2.2	4.6	3.6	5.6	10.8	2.0	2.2
50 MHz	4.3	10.8	7.9	14.8	19.0	4.9	4.3
100 MHz	6.6	16.1	11.2	23.0	27.6	6.9	6.6
200 MHz	9.5	23.9	16.1	36.1	41.0	9.8	9.5
400 MHz	13.8	37.7	23.1	54.1	62.3	15.7	13.8
700 MHz	19.0	55.8	31.8	77.1	88.6	21.3	19.0
900 MHz	22.6	65.6	36.4	89.6	101.7	24.9	22.3
1000 MHz	23.6	70.5	39.4	95.1	111.5	26.9	23.3

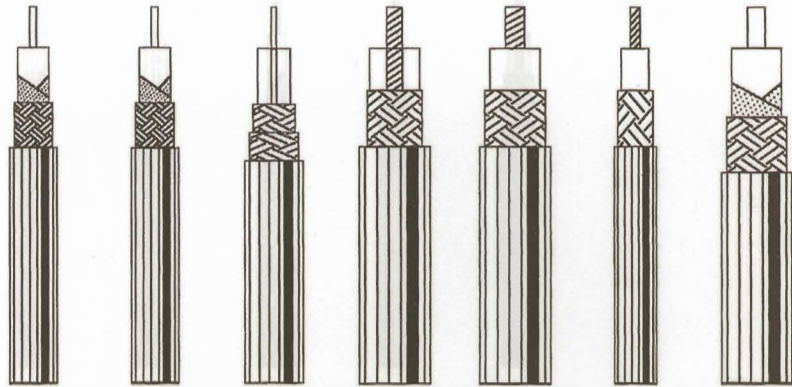
**ABBREVIATIONS:**

Cu : Copper  
 TCu : Tinned Copper  
 CuW : Copper Weld  
 Br : Braid

Al/Pt : Alu/Pet Tape  
 PE : Polyethylene  
 FPE : Foam Polyethylene  
 PVC : Polyvinyl Chloride

\* Available also in bare copper

## COAXIAL CABLES



RG TYPE CODE NR	RG-6/U CCF 75/25	RG-6/U CCF 75/26	RG-6/U CCS 75/27	RG-8A/U CCS 50/28	RG-8/U CCF 50/19	RG-8/X CCF 50/29	RG-8/U CCF 50/30
<b>CONSTRUCTION</b>							
<b>INNER CONDUCTOR</b>							
Size (mm)	1/1.02	1/1.02	1/0.724	7/0.724	7/0.912	19/0.287	1/2.60
Material	CuW*	Cu	CuW*	Cu	Cu	Cu	Cu
<b>DIELECTRIC</b>							
Size (mm)	4.57	4.57	4.70	7.24	7.24	3.94	7.24
Material	FPE	FPE	PE	PE	FPE	FPE	FPE
<b>OUTER CONDUCTOR</b>							
1-	Al/Pt	Al/Pt	Cu Br	Cu Br	Cu Br	Cu Br	Al/Pt
2-	TCu Br	TCu Br	Cu Br	---	---	---	TCu Br
<b>OUTER SHEATH</b>							
Approx O.D. (mm)	6.86	6.86	8.43	10.29	10.24	6.15	10.24
Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC
<b>APPROX. WEIGHT</b>							
(Kg/Km)	45	46	110	178	167	58	167
<b>ELECTRICAL DATA</b>							
IMPEDANCE (Ohm)	75	75	75	52	50	50	50
<b>Capacitance</b>							
Approx. pF/M	57.8	57.8	67.2	86.9	85.3	85.3	85.3
<b>VELOCITY RATIO %</b>							
	80	80	66	66	78	78	78
<b>Attenuation</b>							
<b>(dB/100m) at:</b>							
10 MHz	2.3	2.3	2.6	1.8	1.6	3.3	1.6
50 MHz	4.9	4.9	6.2	4.3	3.9	8.2	3.6
100 MHz	6.9	6.9	8.9	6.2	5.9	12.1	5.2
200 MHz	12.5	12.5	13.4	8.9	8.9	17.1	7.9
400 MHz	14.4	14.4	19.4	13.4	13.8	26.2	11.5
700 MHz	16.4	16.4	26.6	21.3	19.0	36.4	16.4
900 MHz	22.6	22.6	30.8	24.9	22.0	42.0	18.7
1000 MHz	25.9	25.9	32.1	26.2	23.3	44.3	19.7

### ABBREVIATIONS:

**Cu** : Copper  
**TCu** : Tinned Copper  
**CuW** : Copper Weld  
**Br** : Braid

**Al/Pt** : Alu/Pet Tape  
**PE** : Polyethylene  
**FPE** : Foam Polyethylene  
**PVC** : Polyvinyl Chloride

\* Available also in bare copper

## COAXIAL CABLES



RG TYPE CODE NR	RG-58 A/U CCS 50/31	RG-58 A/U CCF 50/32	RG-58 A/U CCF 50/33	RG-58/U CCS 50/34	RG-58/U CCS 50/35	RG-11/U CCF 75/3	RG-11/U CCF 75/4
<b>CONSTRUCTION</b>							
<b>INNER CONDUCTOR</b>							
Size (mm)	19/0.18	19/0.20	19/0.20	1/0.813	1/0.813	1/1.63	1/1.63
Material	TCu	TCu	TCu	Cu	Cu	Cu	Cu
<b>DIELECTRIC</b>							
Size (mm)	2.95	2.59	2.59	2.95	2.90	7.24	7.24
Material	PE	FPE	FPE	PE	PE	FPE	FPE
<b>OUTER CONDUCTOR</b>							
1-	TCu Br	TCu Br	Al/Pt	TCu Br	Al/Pt	Cu Br	Al/Pt
2-	---	---	TCu Br	---	TCu Br	---	TCu Br
<b>OUTER SHEATH</b>							
Approx O.D. (mm)	4.90	5.03	4.90	4.90	4.90	10.29	10.29
Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC
<b>APPROX. WEIGHT</b>							
(Kg/Km)	39	40	30	40	32	131	114
<b>ELECTRICAL DATA</b>							
IMPEDANCE (Ohm)	50	50	50	53	50	75	75
<b>Capacitance</b>							
Approx. pF/M	101	85.3	85.3	93.5	101.7	56.7	56.7
<b>VELOCITY RATIO %</b>							
	66	78	78	66	66	78	78
<b>Attenuation</b>							
<b>(dB/100m) at:</b>							
10 MHz	4.6	4.3	4.3	3.9	3.9	1.2	1.6
50 MHz	10.8	9.2	9.2	10.2	10.2	3.3	3.3
100 MHz	16.1	13.1	13.1	14.8	14.1	4.9	4.6
200 MHz	23.9	18.7	18.7	22.3	19.7	7.2	6.9
400 MHz	37.7	31.2	26.9	32.8	27.9	11.2	9.5
700 MHz	55.8	44.3	36.1	45.9	36.4	16.1	12.8
900 MHz	65.6	50.9	41.0	52.5	42.0	18.5	14.4
1000 MHz	70.5	52.5	42.6	55.8	44.3	19.5	15.4

**ABBREVIATIONS:** Cu : Copper  
 TCu : Tinned Copper  
 CuW : Copper Weld  
 Br : Braid

Al/Pt : Alu/Pet Tape  
 PE : Polyethylene  
 FPE : Foam Polyethylene  
 PVC : Polyvinyl Chloride



## COAXIAL CABLES



RG TYPE CODE NR	RG-59/U CCF 75/36	RG-59/U CCF 75/02	RG-59/U CCS 75/37	RG-59/U CCS 75/38	RG-59/U CCF 75/40	RG-59/U CCF 75/01	RG-59/U CCS 75/41
<b>CONSTRUCTION</b>							
<b>INNER CONDUCTOR</b>							
Size (mm)	7/0.25	1/0.813	1/0.574	1/0.643	1/0.643	1/0.813	1/0.813
Material	Cu	Cu	CuW*	CuW*	CuW*	Cu	Cu
<b>DIELECTRIC</b>							
Size (mm)	3.71	3.71	3.71	3.71	3.71	3.71	5.03
Material	FPE	FPE	PE	PE	FPE	FPE	PE
<b>OUTER CONDUCTOR</b>							
1-	Cu Br	Cu Br	Cu Br	Cu Br	Cu Br	Al/Pt	TCu Br
2-	---	---	---	---	---	TCu Br	TCu Br
<b>OUTER SHEATH</b>							
Approx. O.D. (mm)	6.15	6.15	6.15	6.15	6.15	6.15	7.75
Material	PVC	PVC	PVC	PVC	PVC	PVC	PE
<b>APPROX. WEIGHT</b>							
(Kg/Km)	54	45	57	50	52	42	110
<b>ELECTRICAL DATA</b>							
IMPEDANCE (Ohm)	75	75	75	73	80	75	75
<b>Capacitance</b>							
Approx. pF/M	56.8	56.7	67.3	68.9	53.5	56.8	68.9
<b>VELOCITY RATIO %</b>							
	78	78	66	66	78	78	66
<b>Attenuation</b>							
<b>(dB/100m) at:</b>							
10 MHz	3.0	3.3	3.6	3.6	3.0	3.3	2.6
50 MHz	6.9	6.9	7.9	7.9	6.6	5.9	5.6
100 MHz	9.8	9.8	11.2	11.2	9.5	8.2	8.2
200 MHz	14.8	14.8	16.1	16.1	13.4	12.5	12.1
400 MHz	21.7	21.6	23.0	23.0	19.4	18.3	17.4
700 MHz	29.2	29.2	31.8	31.8	25.6	25.4	24.3
900 MHz	33.1	33.1	36.4	36.4	28.9	29.2	28.2
1000 MHz	35.8	35.8	39.4	39.4	32.5	31.0	30.2

### ABBREVIATIONS:

Cu	: Copper	Al/Pt	: Alu/Pet Tape
TCu	: Tinned Copper	PE	: Polyethylene
CuW	: Copper Weld	FPE	: Foam Polyethylene
Br	: Braid	PVC	: Polyvinyl Chloride

\* Available also in bare copper

## COAXIAL CABLES



TYPE CODE NR	URM43 CCS 50/42	URM57 CCS 75/43	URM67 CCS 50/44	URM70 CCS 75/45	URM76 CCS 50/46	1.1/7.3 CCS 75/47	1.8/11.5 CCS 75/48
<b>CONSTRUCTION</b>							
<b>INNER CONDUCTOR</b>							
Size (mm)	1/0.90	1/1.15	7/0.77	7/0.19	7/0.32	1/1.10	1/1.80
Material	Cu	Cu	Cu	Cu	Cu	Cu	Cu
<b>DIELECTRIC</b>							
Size (mm)	2.95	7.25	7.25	3.25	2.95	7.30	11.50
Material	PE	PE	PE	PE	PE	PE	PE
<b>OUTER CONDUCTOR</b>							
1-	Cu Br	Cu Br	Cu Br	Cu Br	Cu Br	Al/Pt	Al/Pt
2-	---	---	---	---	---	TCu Br	TCu Br
<b>OUTER SHEATH</b>							
Approx. O.D. (mm)	5.0	10.30	10.30	5.8	5.0	10.50	15.0
Material	PVC	PVC	PVC	PVC	PVC	PVC	PE
<b>APPROX. WEIGHT</b>							
(Kg/Km)	40	150	160	60	40	85	100
<b>ELECTRICAL DATA</b>							
IMPEDANCE (Ohm)	50	75	50	75	50	75	75
<b>Capacitance</b>							
Approx. pF/M	100	68	100	72	100	67	67
<b>VELOCITY RATIO %</b>							
Attenuation	67	67	67	67	67	66	66
<b>(dB/100m) at:</b>							
100 MHz	11.5	5.8	4.9	11.1	17.8	5.0	3.4
200 MHz	16.40	8.6	7.3	16.2	26.5	7.4	5.0
450 MHz	25.30	13.5	11.5	24.8	34.8	12.8	8.9
800 MHz	34.50	19.0	16.0	33.9	46.2	17.9	11.5
900 MHz	36.80	21.3	17.4	35.9	46.9	18.7	13.1
1000 MHz	39.00	21.5	18.5	38.3	47.2	20.5	14.0

### ABBREVIATIONS:

**Cu** : Copper  
**TCu** : Tinned Copper  
**CuW** : Copper Weld  
**Br** : Braid

**Al/Pt** : Alu/Pet Tape  
**PE** : Polyethylene  
**FPE** : Foam Polyethylene  
**PVC** : Polyvinyl Chloride

## COAXIAL CABLES



CODE NR	CCF 75/7	CCS 75/9	CCF 75/11	CCF 75/12	CCS 75/13	CCS 75/49	CCS 75/50
<b>CONSTRUCTION</b>							
<b>INNER CONDUCTOR</b>							
Size (mm)	1/1.0	1/0.75	1/1.13	1/1.13	1/1.0	7/0.20	1/2.20
Material	Cu	Cu	Cu	Cu	Cu	Cu	Cu
<b>DIELECTRIC</b>							
Size (mm)	4.50	4.80	5.0	5.0	5.30	3.20	9.60
Material	FPE	PE	FPE	FPE	PE	PE	PE
<b>OUTER CONDUCTOR</b>							
1-	Cu Br	Cu Foil	Cu Br	Al/Pt	Cu Foil	Cu Br	Al/Pt
2-	---	Cu Br	---	TCu Br	Cu Br	---	TCu Br
<b>OUTER SHEATH</b>							
Approx. O.D. (mm)	6.40	6.60	6.80	6.80	7.30	5.0	12.40
Material	PVC	PVC	PVC	PVC	PVC	PVC	PE
<b>APPROX. WEIGHT</b>							
(Kg/Km)	49	52	61	45	65	32	137
<b>ELECTRICAL DATA</b>							
IMPEDANCE (Ohm)	75	75	75	75	75	75	75
<b>Capacitance</b>							
Approx. pF/M	58	68	58	58	75	67	55
<b>VELOCITY RATIO %</b>							
Attenuation	80	67	80	80	67	67	80
<b>(dB/100m) at:</b>							
100 MHz	8.5	7.9	7.0	5.8	6.9	13.0	3.0
200 MHz	12.4	11.5	10.1	8.5	9.9	19.0	4.5
450 MHz	19.2	17.8	15.8	13.4	15.8	29.0	6.7
800 MHz	26.4	24.5	21.9	18.5	21.7	39.0	9.2
900 MHz	28.1	26.3	23.4	19.8	23.2	42.9	10.0
1000 MHz	29.0	27.9	24.9	21.5	24.5	45.5	10.5

### ABBREVIATIONS:

Cu	: Copper	Al/Pt	: Alu/Pet Tape
TCu	: Tinned Copper	PE	: Polyethylene
CuW	: Copper Weld	FPE	: Foam Polyethylene
Br	: Braid	PVC	: Polyvinyl Chloride



## COAXIAL CABLES



TYPE CODE NR	3C-2V CCS 75/51	4.5C-2V CCF 75/52	5C-2V CCS 75/53	7C-2V CCS 75/54	0.4/1.9 CCF 75/55	0.4/2.6 CCS 75/56	0.75/4.8 CCS 75/57
<b>CONSTRUCTION</b>							
<b>INNER CONDUCTOR</b>							
Size (mm)	1/0.50	1/0.95	1/0.80	7/0.40	1/0.40	1/0.40	1/0.75
Material	Cu	Cu	Cu	Cu	Cu	Cu	Cu
<b>DIELECTRIC</b>							
Size (mm)	3.10	4.40	5.0	7.30	1.90	2.60	4.80
Material	PE	FPE	PE	PE	FPE	PE	PE
<b>OUTER CONDUCTOR</b>							
1-	Cu Br	Cu Br	Cu Br	Cu Br	Al/Pt	Al/Pt	Al/Pt
2-	---	---	---	---	TCu Br	TCu Br	TCu Br
<b>OUTER SHEATH</b>							
Approx. O.D. (mm)	5.60	6.40	7.50	10.20	3.70	4.10	6.80
Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC
<b>APPROX. WEIGHT</b>							
(Kg/Km)	45	42	80	140	17	19	46
<b>ELECTRICAL DATA</b>							
IMPEDANCE (Ohm)	75	75	75	75	75	75	75
<b>Capacitance</b>							
Approx. pF/M	55	57	67	67	67	67	55
<b>VELOCITY RATIO %</b>							
	66	80	66	66	66	66	80
<b>Attenuation</b>							
<b>(dB/100m) at:</b>							
100 MHz	13.6	10.3	7.8	5.3	16.2	15.0	7.8
200 MHz	19.7	15.0	10.9	7.9	22.2	21.0	11.0
450 MHz	31.0	22.9	17.2	12.4	34.0	33.0	17.1
800 MHz	40.0	33.6	23.7	17.2	47.8	43.8	23.6
900 MHz	44.5	34.5	25.4	18.5	51.0	50.0	25.6
1000 MHz	47.7	38.0	26.9	19.8	57.6	49.2	26.8

### ABBREVIATIONS:

Cu	: Copper	Al/Pt	: Alu/Pet Tape
TCu	: Tinned Copper	PE	: Polyethylene
CuW	: Copper Weld	FPE	: Foam Polyethylene
Br	: Braid	PVC	: Polyvinyl Chloride

## COAXIAL CABLES



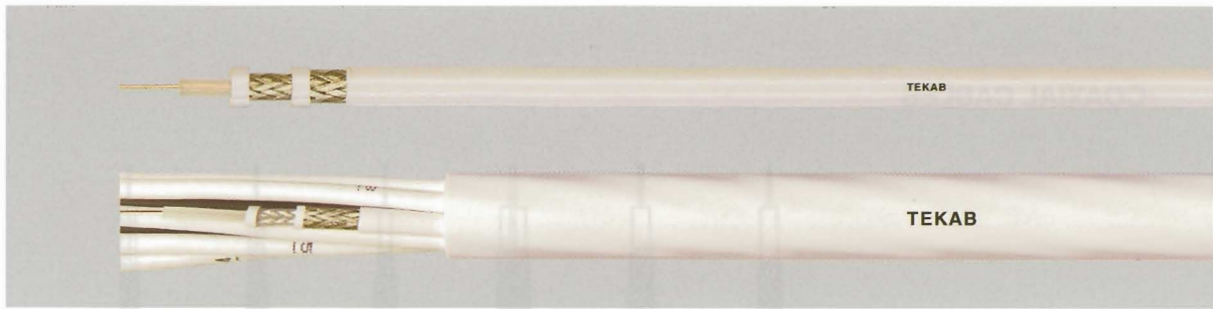
CABLE TYPE CODE NR	BT 2001 CCF 75/60	BT 2002 CCF 75/61	BT 2003 CCS 75/62	BT 3001 CCF 75/63	BT 3002* CCS 75/64	CCS 75/65
<b>CONSTRUCTION</b>						
<b>INNER CONDUCTOR</b>						
Size (mm)	7/0.2	7/0.2	1/0.61	1/0.40	1/0.31	1/0.23
Material	Cu	Cu	Cu	Cu	Cu	Cu
<b>DIELECTRIC</b>						
Size (mm)	2.45	2.50	3.7	1.75	1.95	1.5
Material	FPE	FPE	PE	FPE	PE	PE
<b>OUTER CONDUCTOR</b>						
1-	Cu Br	Cu Br	Cu Br	Al/Pt	TCu Br	Cu Br
2-	---	Cu Br	Cu Br	TCu Br	TCu Br	---
<b>OUTER SHEATH</b>						
Approx. O.D. (mm)	4.4	5.1	6.7	3.60	3.55	2.8
Material	PVC	PVC	PVC	PVC	PVC	PVC
<b>APPROX. WEIGHT</b>						
(Kg/Km)	37	66	104	21	30	18
<b>ELECTRICAL DATA</b>						
IMPEDANCE (Ohm)	75	75	75	75	75	75
<b>Capacitance</b>						
Approx. pF/M	56.7	56.7	68.5	58	58	67
<b>VELOCITY RATIO %</b>						
	78	78	66	78	66	66
<b>Attenuation</b>						
<b>(dB/100m) at:</b>						
1 MHz	1.26	1.26	1.0	--	2.1	2.5
4 MHz	--	--	--	--	--	5
5 MHz	4.0	4.0	2.6	4.8	4.8	--
17 MHz	--	--	--	--	--	11
60 MHz	--	--	9.0	--	--	--
70 MHz	--	--	--	--	--	22

\*BT 3002 CABLE CAN ALSO BE OFFERED IN MULTI-CORE VERSIONS

### ABBREVIATIONS:

Cu	: Copper	Al/Pt	: Alu/Pet Tape
TCu	: Tinned Copper	PE	: Polyethylene
CuW	: Copper Weld	FPE	: Foam Polyethylene
Br	: Braid	PVC	: Polyvinyl Chloride





## CABLES COAXIAL MULTIPAIR BT 3002

**Description** : Multipair cable coaxial BT 3002 for use in transmission equipment cabling.

### Construction of Individual Coaxial Cables

- Inner Conductor : Plain annealed copper wire (pacw) diameter 0.31 mm to IEC 28 & IEC 189-1
- Dielectric : PE type 03 to BS 6234
- Outer Conductor : Two braids of 0.1 mm diameter plain annealed tinned copper wires
- Sheath : PVC type TM1 to BS 7655

The construction is to BT specification CW 1383

### Cable Make-up

- Lay-up : The required number of above described individual coaxial pairs are laid up in concentric formation. When necessary, a central filler may be used. The material of the filler shall be PVC type TM1
- Rip Cord : A non-metallic rip cord shall be laid under the sheath.
- Outer Sheath : PVC type TM1 to BT M235 coloured white.

**Specification** : BT CW1407 and BT CW1383

### Characteristics

- Direct Current Resistance of the inner conductor at 20°C: max 23.9Ω/100m
- Insulation Resistance at 20°C: min 20MΩ.km
- Spark Test on the individually sheathed coaxial pairs : 2kV r.m.s.
- Dielectric Voltage withstand : 3.5kV r.m.s.
- Far End Signal to Crosstalk Ratio (FESXTR) : to CW1383
- Characteristic Impedance at 5MHz : 75Ω+/-4Ω
- Attenuation at 5MHz: max 4.8 dB/100m
- Resistance to flame propagation : to BT Specification M231

### Technical Data

1- Individual Coaxial Cable BT 3002				
ITEM	DETAILS	DIAMETER		
		Min mm	Nom mm	Max mm
Inner Conductor	1/0.31 mm pacw	0.305	0.31	0.315
Dielectric	Solid Polyethylene Type 03 to BS 6234. Minimum Point Thickness 0.75mm	1.85	1.95	2.05
Outer Conductor	Two braid comprising 0.1mm tacw	2.75	2.85	2.95
Sheath	PVC Compound Type TM1 to BS 7655 Min. Point Thickness 0.3mm	3.40	3.55	3.70
2- Multipair Coaxial Cable BT 3002				
Cable Type Number of Pairs X BT 3002	Sheath Thickness minimum mm	Overall Diameter Approx. mm	Net Weight Approx. kg/km	
8 X 3002	1.1	16	380	
16 X 3002	1.1	20	620	
27 X 3002	1.4	26	960	