

Triaxial Cables

Tri-RG178

Tri-RG179

Tri-RG180

Tri-RG316

Tri-RG393

Tri-RG400

Tri-RG403

CTX 41

CTX 44 Flex

CTX 47 Flex

CTX 64

CTX 65 Flex

CTX 80 Flex

Triaxial Cables

Tri-RG178

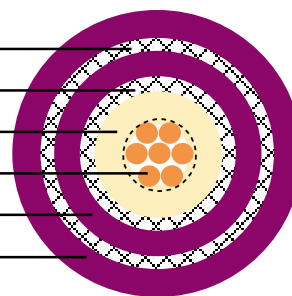
Construction

Inner conductor	Silver plated copper covered steel (SCCS)	7 x 0.10 mm
Dielectric	Solid PTFE	$\Phi 0.86 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper	$\Phi 1.26 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 1.80 \pm 0.10$ mm
Outer conductor (shield 2)	Silver plated copper	$\Phi 2.20 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 2.85 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 5 Ohm
Nominal capacitance	96.5 pF/m
Velocity of propagation	70%
Insulation resistance	- Mohm.Km
Inner conductor resistance	800.5 Ohm/Km
Outer conductor resistance	27.9 Ohm/Km
Operatig Voltage(max)	1 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	24 Kg/Km
Screening effectiveness	>60 dB

Silvered copper outer conductor 2
Silvered copper outer conductor 1
Solid PTFE dielectric
Silvered copper inner conductor
FEP inner sheath
FEP outer sheath



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	45.3	13.8
400	91.2	27.8
1000	145.7	44.4
3000	257.2	78.4

Tri-RG179

Construction

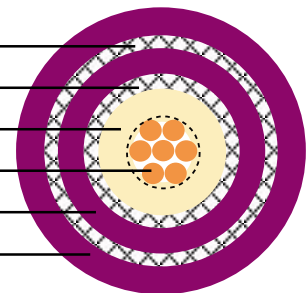
Inner conductor	Silver plated copper covered steel (SCCS)	7 x 0.10 mm
Dielectric	Solid PTFE	$\Phi 1.60 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper (0.1mm)	$\Phi 2.15 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 2.55 \pm 0.10$ mm
Outer conductor (shield 2)	Silver plated copper (0.1mm)	$\Phi 3.15 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 3.6 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	63 pF/m
Velocity of propagation	70%
Insulation resistance	- Mohm.Km
Inner conductor resistance	800.5 Ohm/Km
Outer conductor resistance	27.9 Ohm/Km
Operatig Voltage(max)	0.9 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	31 Kg/Km
Screening effectiveness	>60 dB



- Silvered copper outer conductor 2
- Silvered copper outer conductor 1
- Solid PTFE dielectric
- Silvered copper inner conductor
- FEP inner sheath
- FEP outer sheath



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	28	8.5
200	39	11.9
400	56	17.1
900	85	25.9
1200	98	29.9
1500	110	33.5
1800	121	36.9
2000	128	39.0
2500	144	43.9

Triaxial Cables

Tri-RG180

Construction

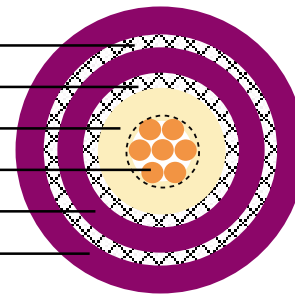
Inner conductor	Silver plated copper covered steel (SCCS)	7 x 0.10 mm
Dielectric	Solid PTFE	$\Phi 2.60 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper (0.1mm)	$\Phi 3.15 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 3.60 \pm 0.10$ mm
Outer conductor (shield 2)	Silver plated copper (0.13mm)	$\Phi 4.40 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 4.80 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	Nom.95±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	70%
Insulation resistance	- Mohm.Km
Inner conductor resistance	800.5 Ohm/Km
Outer conductor resistance	27.9 Ohm/Km
Operatig Voltage(max)	1.0 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	53 Kg/Km
Screening effectiveness	>60 dB



- Silvered copper outer conductor 2
- Silvered copper outer conductor 1
- Solid PTFE dielectric
- Silvered copper inner conductor
- FEP inner sheath
- FEP outer sheath



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	21	6.4
200	30	9.1
400	43	13.1
900	65	19.8
1200	76	23.2
1500	85	25.9
1800	94	28.7
2000	99	30.2
2500	111	33.8

Tri-RG316

Construction

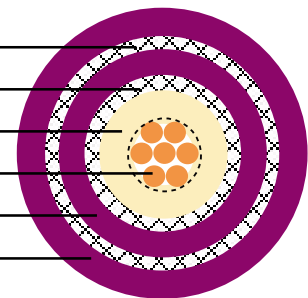
Inner conductor	Silver plated copper covered steel (SCCS)	7 x 0.17 mm
Dielectric	Solid PTFE	$\Phi 1.52 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper(0.1mm)	$\Phi 2.05 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 2.50 \pm 0.10$ mm
Outer conductor (shield 2)	Silver plated copper(0.1mm)	$\Phi 3.15 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 3.60 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	70%
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Operatig Voltage(max)	1.0 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	31 Kg/Km
Screening effectiveness	>60 dB



- Silvered copper outer conductor 2
- Silvered copper outer conductor 1
- Solid PTFE dielectric
- Silvered copper inner conductor
- FEP inner sheath
- FEP outer sheath



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	27	8.2
200	38	11.6
400	54	16.5
900	82	25.0
1200	95	29.0
1500	106	32.3
1800	117	35.7
2000	124	37.8
2500	139	42.4

Triaxial Cables

Tri-RG393

Construction

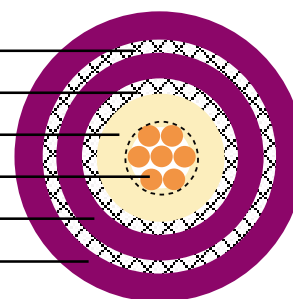
Inner conductor	Silver plated copper	7 x 0.80 mm
Dielectric	Solid PTFE	$\Phi 7.25 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper (0.16mm)	$\Phi 7.95 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 9.00 \pm 0.10$ mm
Outer conductor (shield 2)	Silver plated copper (0.2mm)	$\Phi 9.90 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 11.10 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	70%
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Operatig Voltage(max)	4.4 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	290 Kg/Km
Screening effectiveness	>60 dB



- Silvered copper outer conductor 2
- Silvered copper outer conductor 1
- Solid PTFE dielectric
- Silvered copper inner conductor
- FEP inner sheath
- FEP outer sheath



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	7	2.1
200	10	3.0
400	14	4.3
900	22	6.7
1200	25	7.6
1500	29	8.8
1800	32	9.8
2000	34	10.4
2500	39	11.9



Tri-RG400

Construction

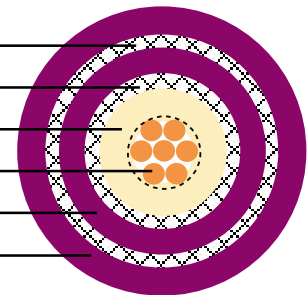
Inner conductor	Silver plated copper	19 x 0.20 mm
Dielectric	Solid PTFE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper(0.13mm)	$\Phi 3.55 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 4.30 \pm 0.10$ mm
Outer conductor (shield 2)	Silver plated copper (0.13mm)	$\Phi 4.90 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 5.70 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	70%
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Operatig Voltage(max)	1.8 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	78 Kg/Km
Screening effectiveness	>60 dB



- Silvered copper outer conductor 2
- Silvered copper outer conductor 1
- Solid PTFE dielectric
- Silvered copper inner conductor
- FEP inner sheath
- FEP outer sheath



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	15	4.6
200	22	6.7
400	31	9.4
900	47	14.3
1200	55	16.8
1500	62	18.9
1800	68	20.7
2000	72	21.9
2500	81	24.7

Triaxial Cables

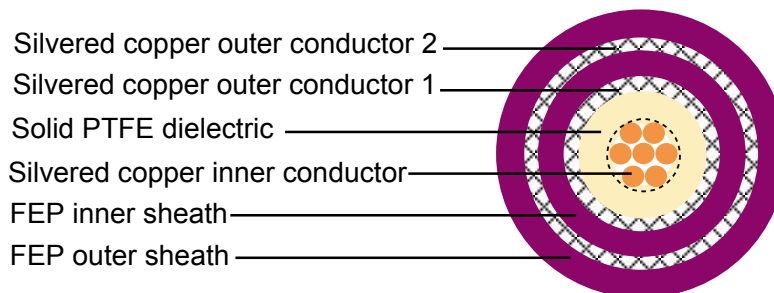
Tri-RG403

Construction

Inner conductor	Silver plated copper covered steel(SCCS)	7 x 0.10 mm
Dielectric	Solid PTFE	$\Phi 0.84 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper (0.1mm)	$\Phi 1.30 \pm 0.10$ mm
Inner sheath	FEP	$\Phi 1.90 \pm 0.10$ mm
Outer conductor (shield 2)	Silver plated copper (0.1mm)	$\Phi 2.35 \pm 0.10$ mm
Outer sheath	FEP	$\Phi 2.95 \pm 0.10$ mm

Electrical & Mechanical Characteristics

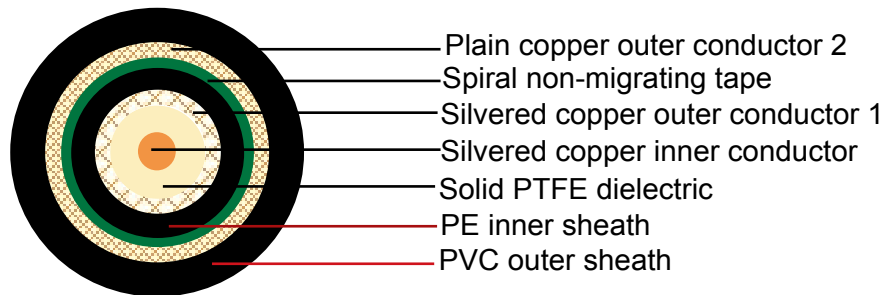
Impedance	50±3 Ohm
Nominal capacitance	94 pF/m
Velocity of propagation	70%
Insulation resistance	- Mohm.Km
Inner conductor resistance	- Ohm/Km
Outer conductor resistance	- Ohm/Km
Operatig Voltage(max)	0.5 KV
Test Voltage	
Operating temperature range	-55°C - +200 °C
Cable weight (approx.)	21 Kg/Km
Screening effectiveness	>60 dB



Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
100	50	15.2
200	67	20.4
400	95	29.0
900	145	44.2
1200	165	50.3
1500	185	56.4
1800	204	62.2
2000	215	65.5
2500	240	73.2

CTX 41



Construction

Inner conductor	Silver plated copper	1.00 mm
Dielectric	Foam PE	$\Phi 4.10 \pm 0,10$ mm
Outer conductor (shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage		95%
Inner sheath	PE	$\Phi 6.60 \pm 0,10$ mm
Tape	Spiral non-migrating tape	h. 20 mm
Outer conductor (shield 2)	Plain copper	192 x 0.15 mm
Shield coverage		94%
Outer sheath	PVC/LSOH	$\Phi 8.50 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	22.5 Ohm/Km
Outer conductor resistance1	7.0 Ohm/Km
Outer conductor resistance2	7.5 Ohm/Km
Operating temperature range	-25°C - +80 °C
Copper weight	63.3 Kg/Km
Cable weight (approx.)	111.2 Kg/Km
Screening effectiveness	>70 dB

Attenuation

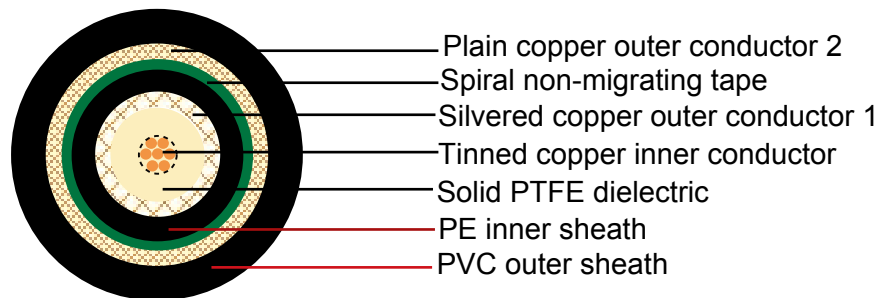
Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
50	5.2	1.6
100	7.6	2.3
200	10.8	3.3
400	16.0	4.9
500	18.6	5.7
600	20.8	6.3
860	25.6	7.8
1000	28.0	8.5

Return Loss

30-300 MHz	>30dB
300-600 MHz	>29dB
600-900 MHz	>28dB

Triaxial Cables

CTX 44 FLEX



Construction

Inner conductor	Tinned copper	7 x 0.35 mm
Dielectric	Foam PE	$\Phi 4.40 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper	168 x 0.12 mm
Shield coverage		94%
Inner sheath	PE	$\Phi 6,60 \pm 0.10$ mm
Tape	Spiral non-migrating tape	h. 20 mm
Outer conductor (shield 2)	Plain copper	168 x 0.15 mm
Shield coverage		93%
Outer sheath	PVC	$\Phi 9.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	22.5 Ohm/Km
Outer conductor resistance1	8.5Ohm/Km
Outer conductor resistance2	6.0 Ohm/Km
Operating temperature range	-30°C - +70 °C
Copper weight	58.7 Kg/Km
Cable weight (approx.)	115.1 Kg/Km
Screening effectiveness	>70 dB

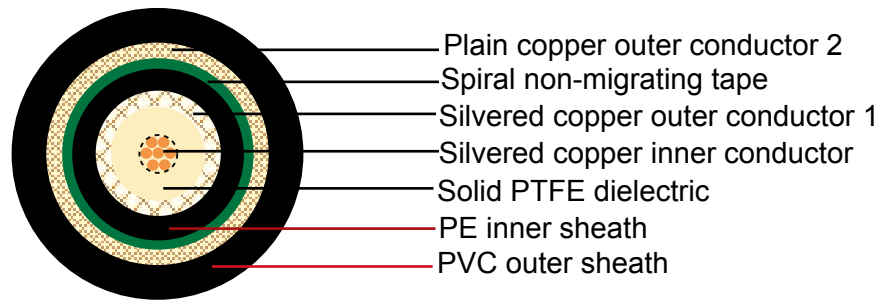
Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
50	5.5	1.7
100	8.1	2.5
200	11.4	3.5
400	17.1	5.25
500	20.0	6.1
600	22.3	6.8
860	27.4	8.4
1000	29.9	9.1

Return Loss

30-300 MHz	>30dB
300-600 MHz	>25dB
600-900 MHz	>23dB

CTX 47 FLEX



Construction

Inner conductor	Silver plated copper	7 x 0.40 mm
Dielectric	Foam PE	$\Phi 4.70 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage		94%
Inner sheath	PE	$\Phi 6.60 \pm 0.10$ mm
Tape	Spiral non-migrating tape	h. 20 mm
Outer conductor (shield 2)	Plain copper	192 x 0.15 mm
Shield coverage		94%
Outer sheath	PVC/LSOH	$\Phi 8.70 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance1	7.3Ohm/Km
Outer conductor resistance2	7.5 Ohm/Km
Operating temperature range	-25°C - +80 °C
Copper weight	64.5 Kg/Km
Cable weight (approx.)	116.1 Kg/Km
Screening effectiveness	>70 dB

Attenuation

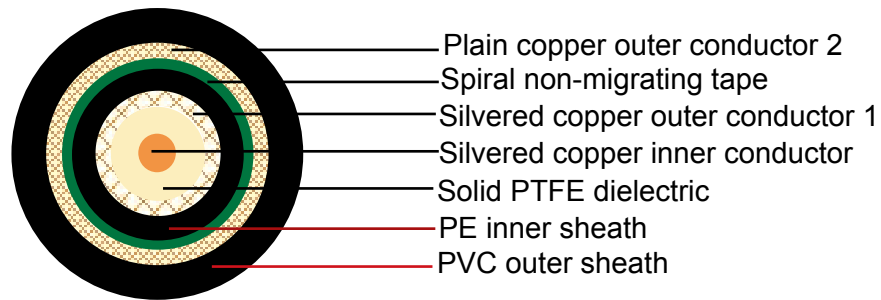
Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
50	5.2	1.6
100	7.7	2.3
200	10.9	3.3
400	16.3	5.0
500	19.0	5.8
600	21.2	6.5
860	26.1	8.0
1000	28.5	8.7

Return Loss

30-300 MHz	>27dB
300-600 MHz	>23dB
600-900 MHz	>20dB

Triaxial Cables

CTX 64



Construction

Inner conductor	Silver plated copper	1.40 mm
Dielectric	Foam PE	$\Phi 6.40 \pm 0.10$ mm
Outer conductor (shield 1)	Silver plated copper	216x 0.13 mm
Shield coverage		92%
Inner sheath	PE	$\Phi 8.60 \pm 0.10$ mm
Tape	Spiral non-migrating tape	h. 27 mm
Outer conductor (shield 2)	Plain copper	216 x 0.16 mm
Shield coverage		92%
Outer sheath	PVC/LSOH	$\Phi 11.00 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	11.5 Ohm/Km
Outer conductor resistance1	6 Ohm/Km
Outer conductor resistance2	5.8 Ohm/Km
Operating temperature range	-25°C - +80 °C
Copper weight	88.1 Kg/Km
Cable weight (approx.)	169.25 Kg/Km
Screening effectiveness	>70 dB

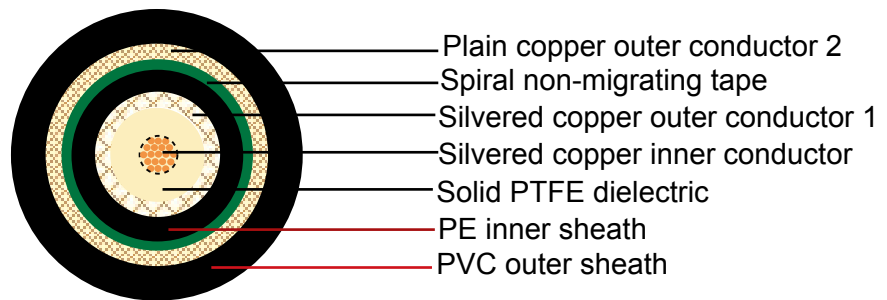
Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
50	3.7	1.1
100	5.4	1.6
200	8.2	2.5
400	12.1	3.7
500	13.8	4.2
600	15.6	4.8
860	18.8	5.7
1000	20.6	6.3

Return Loss

30-300 MHz	>30dB
300-600 MHz	>28dB
600-900 MHz	>26dB

CTX 65 FLEX



Construction

Inner conductor	Silver plated copper	19 x 0,28 mm
Dielectric	Foam PE	Φ6,50 ± 0,10 mm
Outer conductor (shield 1)	Silver plated copper	216x 0,13 mm
Shield coverage		92%
Inner sheath	PE	Φ8,70 ± 0,10 mm
Tape	Spiral non-migrating tape	h. 27 mm
Outer conductor (shield 2)	Plain copper	216 x 0,16 mm
Shield coverage		92%
Outer sheath	PVC/LSOH	Φ11.00 ± 0,18 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	15.5 Ohm/Km
Outer conductor resistance1	6.5 Ohm/Km
Outer conductor resistance2	5.8 Ohm/Km
Operating temperature range	-25°C - +80 °C
Copper weight	85.2 Kg/Km
Cable weight (approx.)	165.95 Kg/Km
Screening effectiveness	>70 dB

Attenuation

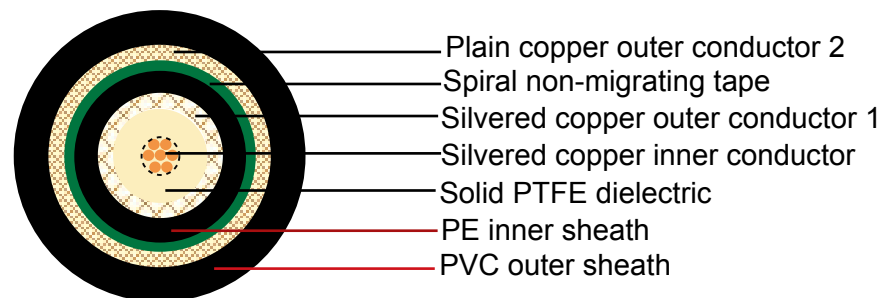
Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
50	4.4	1.3
100	6.2	1.9
200	9.1	2.8
400	13.3	4.1
500	15.2	4.6
600	17.1	5.2
860	20.6	6.3
1000	22.4	6.8

Return Loss

30-300 MHz	>28dB
300-600 MHz	>25dB
600-900 MHz	>23dB

Triaxial Cables

CTX 80 FLEX



Construction

Inner conductor	Silver plated copper	7 x 0,65 mm
Dielectric	Foam PE	$\Phi 8.00 \pm 0,10$ mm
Outer conductor (shield 1)	Silver plated copper	216x 0,15 mm
Shield coverage		92%
Inner sheath	PE	$\Phi 10.00 \pm 0,10$ mm
Tape	Spiral non-migrating tape	h. 27 mm
Outer conductor (shield 2)	Plain copper	216 x 0,18 mm
Shield coverage		90%
Outer sheath	PVC/LSOH	$\Phi 13.00 \pm 0,30$ mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	8.0 Ohm/Km
Outer conductor resistance1	5.0 Ohm/Km
Outer conductor resistance2	3.5 Ohm/Km
Operating temperature range	-30°C - +70 °C
Copper weight	117.6 Kg/Km
Cable weight (approx.)	224.35 Kg/Km
Screening effectiveness	>70 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Max. Attenuation(dB/100ft)
50	3.4	1.0
100	5.1	1.6
200	7.5	2.3
400	10.9	3.3
500	12.4	3.8
600	14.2	4.3
860	17.0	5.2
1000	18.8	5.7

Return Loss

30-300 MHz	>30dB
300-600 MHz	>28dB
600-900 MHz	>24dB