



Coaxial Cables



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RG 11 A / U
RG 12 A / U



RG 11 A/U Part Number:10011202



RG 12 A/U Part Number:10021202

Applications

These cables are produced according to the military standards and are used for signal transmission where low attenuation is required for 75 ohm impedance required systems.

RG 12 A/U : The galvanized steel wire braiding in the RG 12 A/U cable obtains mechanical resistance.

Construction

	RG 11 A/U	RG 12 A/U
Conductor	7x \varnothing 0.40 mm Stranded Tinned Copper Wire	7x \varnothing 0.40 mm Silver Coated Copper Wire
Insulation	\varnothing 7.25 mm Solid PE	\varnothing 7.25 mm Solid PE
1.Screen	Annealed Copper Wire Braiding 96% Coverage Rate	Annealed Copper Wire Braiding 96% Coverage Rate
Inner Sheath	-	10.30 mm PVC Black
Armour	-	Galvanized Steel Wire Braiding
Sheath	\varnothing 10.10 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)	\varnothing 14.00 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)
Minimum Bending Radius	101 mm	140 mm
Copper Weight (Kg/Km)	64.5	64.5
Cable Weight (Kg/Km)	154	260
Standard Packing	500-1000 m	500-1000 m

Technical and Electrical Properties (20 °C)

Impedance	75 \pm 3 Ohm	75 \pm 3 Ohm
Capacitance	67 pF/m	67 pF/m
Velocity of Propagation	66%	66%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 21 Ohm/Km	< 21 Ohm/Km
Test Voltage (50 Hz)	7.6 kV	7.6 kV
Maximum Operating Voltage	3.6 kV	3.6 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)		
	10 MHz 1.8	1.8
	100 MHz 6.5	6.5
	200 MHz 9.8	9.8
	400 MHz 14.1	14.1
	800 MHz 22.5	22.5
	1000 MHz 25.2	25.2

Reference Standards

MIL-C-17, TS 2637 IEC 60096-1, TS 5757 IEC 60096-3, EN 50117

RG 11 / 4 F
RG 11 / 4 FA



RG 11 / 4 F White
Black (2 Orange Traced) Part Number: 11011104
Part Number: 11061104



RG 11 / 4 FA Part Number: 15011104

Applications

They are used as distribution cable where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems.

Construction

	RG 11 / 4 F	RG 11 / 4 FA
Conductor	ø 1.63 mm Electrolytic Annealed Copper	ø 1.63 mm Electrolytic Annealed Copper
Insulation	ø 7.1 mm Physical Foamed Polyethylene	ø 7.1 mm Physical Foamed Polyethylene
1.Screen	Al-Pes- Al Foil 100% Coverage Rate	Al-Pes- Al Foil 100% Coverage Rate
2.Screen	Tinned Copper Wire Braiding 55% Coverage Rate	Aluminium Wire Braiding 55% Coverage Rate
Sheath	ø 10.20 mm PVC White or Black (Traced) (EN 50290-2 / HD 21.1.S4 / VDE 0281 Tm1)	ø 10.20 mm PVC White or Black (Traced) (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)
Minimum Bending Radius	102 mm	102 mm
Copper Weight (Kg/Km)	36.6	19.5
Cable Weight (Kg/Km)	102	91.5
Standard Packing	500-1000 m	500-1000 m

Technical and Electrical Properties (20 °C)

	RG 11 / 4 F	RG 11 / 4 FA
Impedance	75 ± 3 Ohm	75 ± 3 Ohm
Capacitance	53 pF/m	53 pF/m
Velocity of Propagation	82%	82%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 8.8 Ohm/Km	< 8.8 Ohm/Km
Test Voltage (50 Hz)	5 kV	5 kV
Maximum Operating Voltage	2 kV	2 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)		
	230 MHz 6.5	6.8
	470 MHz 9.3	9.6
	860 MHz 13.0	13.4
	1000 MHz 14.2	14.6
	1500 MHz 17.8	18.3
	2000 MHz 20.6	21.0
	2400 MHz 22.9	23.4
	3000 MHz 26.2	26.6

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

TSEK


 RG 11 / 4 FP
 RG 11 / 4 FHF


RG 11/4 FP Part Number:11101104



RG 11/4 FHF Part Number:11411104

Applications

They are used as distribution cable where low attenuation is required for CATV, CCTV, cable TV and satellite systems.

RG 11/4 FP :Used in outdoor and underground systems.

RG 11/4 FHF:These halogen free cables are used in buildings where there is intense human population such as hotels, schools, hospitals, shopping centers, etc.

They have low smoke density and they don't emit poisonous and corrosive gases during a fire. They are tested according to IEC 60332-1.

Construction

Conductor
 Insulation
 1.Screen
 2.Screen
 Sheath

RG 11/4 FP

∅ 1.63 mm Electrolytic Annealed Copper
 ∅ 7.1 mm Physical Foamed Polyethylene
 Al - Pes - Al Foil 100% Coverage Rate
 Tinned Copper Wire Braiding 55% Coverage Rate
 ∅ 10.20 mm PE Black (EN 50290-2-24)

RG 11/4 FHF

∅ 1.63 mm Electrolytic Annealed Copper
 ∅ 7.1 mm Physical Foamed Polyethylene
 Al - Pes - Al Foil 100% Coverage Rate
 Tinned Copper Wire Braiding 55% Coverage Rate
 ∅ 10.20 mm HFFF White (EN 50290-2/
 VDE 0207/HD624.7 S1 HM2)

Minimum Bending Radius
 Copper Weight (Kg/Km)
 Cable Weight (Kg/Km)
 Standard Packing

100 mm
 36.6
 82
 500-1000 m

100 mm
 36.6
 107
 500-1000 m

Technical and Electrical Properties (20 °C)

Impedance
 Capacitance
 Velocity of Propagation
 Insulation Resistance
 Conductor Resistance
 Test Voltage (50 Hz)
 Maximum Operating Voltage
 Temperature Range
 Attenuation (max. dB/100 m)

75 ± 3 Ohm
 53 pF/m
 82%
 > 2000 M. Ohm x Km
 < 8.8 Ohm/Km
 5 kV
 2 kV
 -40 °C... +70 °C

75 ± 3 Ohm
 53 pF/m
 82%
 > 2000 M. Ohm x Km
 < 8.8 Ohm/Km
 5 kV
 2 kV
 -30 °C... +70 °C

230 MHz 6.5
 470 MHz 9.3
 860 MHz 13.0
 1000 MHz 14.2
 1500 MHz 17.8
 2000 MHz 20.6
 2400 MHz 22.9
 3000 MHz 26.2

6.5
 9.3
 13.0
 14.2
 17.8
 20.6
 22.9
 26.2

Vertical Fire Test (RG 11/4 FHF)
 Smoke Density Test (RG 11/4 FHF)
 Corrosive Gas Test (RG 11/4 FHF)

IEC/EN 60332-1
 IEC/EN 61034-2/EN 50268 (HD 606) / BS 7622
 IEC 60754-2/EN 50267 (HD 602)
 TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

Reference Standards

RG 11 / 4 FS



RG 11 / 4 FS Part Number:11201104

Applications

They are used as distribution cable where low attenuation is required for outdoor aerial distribution systems, CATV, CCTV, cable TV and satellite systems.

Construction

Conductor	∅ 1.63 mm Electrolytic Annealed Copper
Insulation	∅ 7.1 mm Physical Foamed Polyethylene
1. Screen	Al-Pes- Al Foil 100% Coverage Rate
2. Screen	Tinned Copper Wire Braiding 55% Coverage Rate
Suspension Wire	7x ∅ 0.70 mm Stranded Galvanized Steel Wire
Sheath	∅ 10.20-14.70 mm PE Black (EN 50290-2-24)

Minimum Bending Radius	150 mm
Copper Weight (Kg/Km)	36.6
Cable Weight (Kg/Km)	120
Standard Packing	500-1000 m

Technical and Electrical Properties (20 °C)

Impedance	75 ± 3 Ohm
Capacitance	53 pF/m
Velocity of Propagation	82%
Insulation Resistance	> 2000 M. Ohm x Km
Conductor Resistance	< 8.8 Ohm/Km
Test Voltage (50 Hz)	5 kV
Maximum Operating Voltage	2 kV
Temperature Range	-40 °C... + 70 °C
Attenuation (max. dB/100 m)	230 MHz 6.5
	470 MHz 9.3
	860 MHz 13.0
	1000 MHz 14.2
	1500 MHz 17.8
	2000 MHz 20.6
	2400 MHz 22.9
	3000 MHz 26.2

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 11/6 F Beyaz Ürün Kodu:11011106
Siyah (2 Yeşil İzli) Ürün Kodu:11061106



RG 11/6 FS Ürün Kodu:11201106

Kullanım Alanları

CATV, CCTV, kablolu TV ve UYDU sistemlerinde düşük zayıflama gerektiren yerlerde dağıtım kablosu olarak kullanılırlar.

RG 11/6 FS : Bina dışı havai hat şebekelerinde kullanılır.

Kablo Yapısı

İç İletken
Yalıtkan
1.Ekran
2.Ekran
Askı Teli
Dış Kılıf

RG 11 / 6 F

Ø 1.53 mm Elektrolitik Tavlı Bakır
Ø 7.1 mm Fiziksel Köpürtmeli Polietilen
Cu-Pes Folyo %100 Kapama
Tavlı Bakır Tel Örgü %55 Kapama
-
Ø 10.20 mm PVC Beyaz veya Siyah (izli)
(EN 50290-2/HD 21.1.S4/VDE 0281TM1)

RG 11/6 FS

Ø 1.63 mm Elektrolitik Tavlı Bakır
Ø 7.1 mm Fiziksel Köpürtmeli Polietilen
Cu-Pes Folyo %100 Kapama
Tavlı Bakır Tel Örgü %55 Kapama
7x Ø 0.70 mm Bükülü Galvanizli Çelik Tel
Ø 10.20-14.70 mm PE Siyah (EN 50290-2-24)

Minimum Bükme Yarıçapı
Bakır Ağırlığı (Kg/Km)
Kablo Ağırlığı (Kg/Km)
Standart Ambalaj

102 mm
36.6
107
500-1000 m

150 mm
36.6
123
500-1000 m

Teknik ve Elektriksel Özellikler (20 °C)

Empedans
Kapasite
Yayıma Hızı
İzolasyon Direnci
İletken Direnci
Test Gerilimi (50 Hz)
Maximum Çalışma Gerilimi
Çalışma Sıcaklığı
Zayıflamalar (max. dB/100 m)

75 ± 3 Ohm
53 pF/m
%82
> 2000 M. Ohm x Km
< 8.8 Ohm/Km
5 kV
2 kV
-30°C... +70 °C

75 ± 3 Ohm
53 pF/m
%82
> 2000 M. Ohm x Km
< 8.8 Ohm/Km
5 kV
2 kV
-40 °C... +70 °C

230 MHz 6.2
470 MHz 9.0
860 MHz 12.7
1000 MHz 13.7
1500 MHz 17.4
2000 MHz 20.0
2400 MHz 22.5
3000 MHz 25.5

6.2
9.0
12.7
13.7
17.4
20.0
22.5
25.5

Referans Standartlar

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

RG 11 / 6 FP
RG 11 / 6 FHF



RG 11 / 6 FP Part Number:11101106



RG 11 / 6 FHF Part Number:11411106

Applications

They are used as distribution cable where low attenuation is required for CATV, CCTV, cable TV and satellite systems.

RG 11 / 6 FP : Used in outdoor and underground systems.

RG 11 / 6 FHF : These halogen free cables are used in buildings where there is intense human population such as hotels, schools, hospitals, shopping centers, etc. They have low smoke density and they don't emit poisonous and corrosive gases during a fire. They are tested according to IEC 60332-1.

Construction

Conductor	RG 11 / 6 FP ø 1.63 mm Electrolytic Annealed Copper	RG 11 / 6 FHF ø 1.63 mm Electrolytic Annealed Copper
Insulation	ø 7.1 mm Physical Foamed Polyethylene	ø 7.1 mm Physical Foamed Polyethylene
1.Screen	Cu-Pes Foil 100% Coverage Rate	Cu-Pes Foil 100% Coverage Rate
2.Screen	Annealed Copper Wire Braiding 55% Coverage Rate	Annealed Copper Wire Braiding 55% Coverage Rate
Sheath	ø 10.20 mm PE Black (EN 50290-2-24)	ø 10.20 mm HFFR White (EN 50290-2/ VDE 0207/ HD624.7 S1 HM2)
Minimum Bending Radius	100 mm	100 mm
Copper Weight (Kg/Km)	38	38
Cable Weight (Kg/Km)	87	113
Standard Packing	500-1000 m	500-1000 m

Technical and Electrical Properties (20 °C)

Impedance	75 ± 3 Ohm	75 ± 3 Ohm
Capacitance	53 pF/m	53 pF/m
Velocity of Propagation	82%	82%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 8.8 Ohm/Km	< 8.8 Ohm/Km
Test Voltage (50 Hz)	5 kV	5 kV
Maximum Operating Voltage	2 kV	2 kV
Temperature Range	-40 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)	230 MHz 6.2 470 MHz 9.0 860 MHz 12.7 1000 MHz 13.7 1500 MHz 17.4 2000 MHz 20.0 2400 MHz 22.5 3000 MHz 25.5	6.2 9.0 12.7 13.7 17.4 20.0 22.5 25.5

Vertical Fire Test (RG 11/6 FHF)	IEC/EN 60332-1
Smoke Density Test (RG 11/6 FHF)	IEC/EN 61034-2/EN 50268 (HD 606) / BS 7622
Corrosive Gas Test (RG 11/6 FHF)	IEC 60754-2/EN 50267 (HD 602)
Reference Standards	TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 11 / 6 F
RG 11 / 6 FS



RG 11/6 F White Part Number:11011106
Black (2 Green Traced) Part Number:11061106



RG 11/6 FS Part Number:11201106

Applications

They are used as distribution cable where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems.

RG 11/6 FS is used in outdoor aerial distribution systems.

Construction

Conductor

Insulation

1.Screen

2.Screen

Suspension Wire

Sheath

RG 11/6 F

∅ 1.63 mm Electrolytic Annealed Copper

∅ 7.1 mm Physical Foamed Polyethylene

Cu-Pes Foil 100% Coverage Rate

Annealed Copper Wire Braiding 55% Coverage Rate

-

∅ 10.20 mm PVC White or Black (Traced)
(EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)

RG 11/6 FS

∅ 1.63 mm Electrolytic Annealed Copper

∅ 7.1 mm Physical Foamed Polyethylene

Cu-Pes Foil 100% Coverage Rate

Annealed Copper Wire Braiding 55% Coverage Rate

7x ∅ 0.70 mm Stranded Galvanized Steel Wire

∅ 10.20-14.70 mm PE Black (EN 50290-2-24)

Minimum Bending Radius

102 mm

150 mm

Copper Weight (Kg/Km)

36.6

36.6

Cable Weight (Kg/Km)

107

123

Standard Packing

500-1000 m

500-1000 m

Technical and Electrical Properties (20 °C)

Impedance

75 ± 3 Ohm

75 ± 3 Ohm

Capacitance

53 pF/m

53 pF/m

Velocity of Propagation

82%

82%

Insulation Resistance

> 2000 M. Ohm x Km

> 2000 M. Ohm x Km

Conductor Resistance

< 8.8 Ohm/Km

< 8.8 Ohm/Km

Test Voltage (50 Hz)

5 kV

5 kV

Maximum Operating Voltage

2 kV

2 kV

Temperature Range

-30 °C... +70 °C

-40 °C... +70 °C

Attenuation (max. dB/100 m)

230 MHz

6.2

6.2

470 MHz

9.0

9.0

860 MHz

12.7

12.7

1000 MHz

13.7

13.7

1500 MHz

17.4

17.4

2000 MHz

20.0

20.0

2400 MHz

22.5

22.5

3000 MHz

25.5

25.5

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

RG 174 / U
DUAL RG 174 / U



RG 174 / U Part Number:14007401



DUAL RG 174 / U Part Number:14007501

Applications

They are used as connection cable for wireless and data communication systems for high signal chains where low attenuation is required.

Construction

Conductor	RG 174 / U 7 x ø 0.16 mm Stranded Electrolytic Annealed Copper	DUAL RG 174 / U 7 x ø 0.16 mm Stranded Electrolytic Annealed Copper
Insulation	ø 1.50 mm Solid PE (EN 50290-2)	ø 1.50 mm Solid PE (EN 50290-2)
Screen	Tinned Copper Wire Braiding 90% Coverage Rate	Tinned Copper Wire Braiding 90% Coverage Rate
Sheath	ø 2.75 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281TM1)	ø 2.75 x 6.00 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281TM1)
Minimum Bending Radius	28 mm	28 mm
Copper Weight (Kg/Km)	6.7	13.3
Cable Weight (Kg/Km)	13.5	27.5
Standard Packing	500 - 1000 m	500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance	50 ± 2 Ohm	50 ± 2 Ohm
Capacitance	101 pF/m	101 pF/m
Velocity of Propagation	66%	66%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 137 Ohm/Km	< 137 Ohm/Km
Test Voltage (50 Hz)	4.5 kV	4.5 kV
Maximum Operating Voltage	1.6 kV	1.6 kV
Temperature Range	-30 °C... + 70 °C	-30 °C... + 70 °C
Attenuation (max. dB/100 m)		
	1 MHz 3.0	3.0
	10 MHz 7.0	7.0
	50 MHz 18.5	18.5
	100 MHz 27.0	27.0
	200 MHz 38.0	38.0
	400 MHz 54.5	54.5
	600 MHz 68.0	68.0
	800 MHz 80.1	80.1
	1000 MHz 91.6	91.6

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 213 / U

RG 214 / U



RG 213 / U Part Number:14001300



RG 214 / U Part Number:14001409

Applications

They are used as connection cable for wireless and data communication systems for high signal chains where low attenuation is required.

Construction

	RG 213 / U	RG 214 / U
Conductor	7 x \varnothing 0.75 mm Stranded Electrolytic Annealed Copper	7 x \varnothing 0.75 mm Stranded Silver Coated Copper Wire
Insulation	\varnothing 7.25 mm Solid PE (EN 50290-2)	\varnothing 7.25 mm Solid PE (EN 50290-2)
1.Screen	Annealed Copper Wire Braiding 95% Coverage	Silver Coated Copper Wire Braiding 97% Coverage
2.Screen	-	Silver Coated Copper Wire Braiding 95% Coverage
Sheath	\varnothing 10.20 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)	\varnothing 10.80 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)
Minimum Bending Radius	102 mm	108 mm
Copper Weight (Kg/Km)	67	109.4
Cable Weight (Kg/Km)	155	196.8
Standard Packing	250 - 500 m	250 - 500 m

Technical and Electrical Properties (20 °C)

	RG 213 / U	RG 214 / U
Impedance	50 \pm 2 Ohm	50 \pm 2 Ohm
Capacitance	101 pF/m	101 pF/m
Velocity of Propagation	66%	66%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 6 Ohm/Km	< 6 Ohm/Km
Test Voltage (50 Hz)	10 kV	10 kV
Maximum Operating Voltage	5 kV	5 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)	1 MHz	0.6
	10 MHz	2.0
	50 MHz	4.9
	100 MHz	6.9
	200 MHz	9.8
	400 MHz	14.8
	500 MHz	17.0
	700 MHz	21.3
900 MHz	24.9	
1000 MHz	26.9	
3000 MHz	47.2	
		46.3

Reference Standards

MIL-C-17, TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

RG 223 / U

RG 58 / U



RG 223 / U Part Number:14002309



RG 58 / U Part Number:14005901

Applications

They are used as connection cable for wireless and data communication systems for high signal chains where low attenuation is required.

Construction

	RG 223 / U	RG 58 / U
Conductor	∅ 0.91 mm Silver Coated Copper Wire	∅ 0.81 mm Electrolytic Annealed Copper
Insulation	∅ 2.95 mm Solid PE (EN 50290-2)	∅ 2.95 mm Solid PE (EN 50290-2)
1. Screen	Silver Coated Copper Wire Braiding 95% Coverage	Tinned Copper Wire Braiding 95% Coverage
2. Screen	Silver Coated Copper Wire Braiding 95% Coverage	-
Sheath	∅ 5.45 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281TM1)	∅ 4.90 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281TM1)
Minimum Bending Radius	55 mm	49 mm
Copper Weight (Kg/Km)	28	17.5
Cable Weight (Kg/Km)	52.7	37.5
Standard Packing	500 - 1000 m	500 - 1000 m

Technical and Electrical Properties (20 °C)

	RG 223 / U	RG 58 / U
Impedance	50 ± 2 Ohm	51.5 ± 2 Ohm
Capacitance	101 pF/m	98 pF/m
Velocity of Propagation	66%	66%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 28.9 Ohm/Km	< 36 Ohm/Km
Test Voltage (50 Hz)	5.0 kV	5.0 kV
Maximum Operating Voltage	2.5 kV	2.5 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)		
	1 MHz 1.2	1.0
	10 MHz 3.8	3.5
	50 MHz 9.3	8.3
	100 MHz 13.2	12.2
	200 MHz 19.5	18.3
	400 MHz 28.7	27.2
	700 MHz 39.6	38.3
	900 MHz 45.5	44.3
	1000 MHz 47.8	47.0

Reference Standards

MIL-C-17, TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 58 A / U

RG 58 C / U



RG 58 A / U Part Number:15005801



RG 58 C / U Part Number:14005801

Applications

They are used as connection cable for wireless and data communication systems for high signal chains where low attenuation is required.

Construction

	RG 58 A / U	RG 58 C / U
Conductor	19 x \varnothing 0.20 mm Stranded Tinned Copper Wire	19 x \varnothing 0.18 mm Stranded Tinned Copper Wire
Insulation	\varnothing 2.90 mm Foamed Polyethylene	\varnothing 2.95 mm Solid PE (EN 50290-2)
Screen	Tinned Copper Wire Braiding 95% Coverage	Tinned Copper Wire Braiding 95% Coverage
Sheath	\varnothing 4.95 mm PVC Black (EN 50290-2/HD 21.1.S4/VDE 0281TM1)	\varnothing 4.90 mm PVC Black (EN 50290-2/HD 21.1.S4/VDE 0281TM1)
Minimum Bending Radius	50 mm	49 mm
Copper Weight (Kg/Km)	18.3	17.7
Cable Weight (Kg/Km)	41	39.2
Standard Packing	500 - 1000 m	500 - 1000 m

Technical and Electrical Properties (20 °C)

	RG 58 A / U	RG 58 C / U
Impedance	53.5 \pm 2 Ohm	50 \pm 2 Ohm
Capacitance	86.9 pF/m	101 pF/m
Velocity of Propagation	73%	66%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 28.9 Ohm/Km	< 35.4 Ohm/Km
Test Voltage (50 Hz)	2.5 kV	5.0 kV
Maximum Operating Voltage	1.1 kV	2.5 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)	1 MHz	1.2
	10 MHz	4.4
	50 MHz	10.4
	100 MHz	14.9
	200 MHz	21.5
	400 MHz	32.0
	700 MHz	46.0
	900 MHz	54.0
1000 MHz	59.0	
		70.0

Reference Standards

MIL-C-17, TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 59/4 F - HD Ürün Kodu: 11305901

Applications

These cables are used in TV systems and transmission of the image signals.

Construction

Conductor	∅ 0.81 mm Electrolytic Annealed Copper
Insulation	∅ 3.70 mm Physical Foamed Polyethylene
1.Screen	Al-Pes Foil 100% Coverage Rate
2.Screen	Aluminium Wire Braiding 70% Coverage Rate
Sheath	∅ 5.80 mm PVC Black (EN 50290-2/HD 21.1.S4/ VDE 0281 TM1)
Copper Weight (Kg/Km)	13
Cable Weight (Kg/Km)	37
Standard Packing	500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance	75 Ohm	Maximum Length (meter / ±%10)	
Capacitance	53 pF/m	143 Mb/s (71.5 Mhz)	390
Velocity of Propagation	78%	177 Mb/s (88.5 Mhz)	360
Insulation Resistance	> 2000 M. Ohm x Km	270 Mb/s (135 Mhz)	290
Conductor Resistance	< 36 Ohm/Km	360 Mb/s (180 Mhz)	255
Test Voltage (50 Hz)	2.5 kV	540 Mb/s (270 Mhz)	215
Maximum Operating Voltage	1.1 kV	1485 Mb/s (742.5 Mhz)	90
Temperature Range	-30 °C... +70 °C		
Attenuation (max. dB/100 m)			

1MHz	1.05
3MHz	1.70
5MHz	2.25
10MHz	3.55
100MHz	9.60
200MHz	12.90
300MHz	15.50
500MHz	19.50
800MHz	24.80
1000MHz	27.40
1500MHz	33.70
2000MHz	41.40
3000MHz	48.50

RG 59 F Mini - HD



RG 59 F Mini - HD Ürün Kodu: 11305004

Applications

These cables are used in TV systems and transmission of the image signals.

Construction

Conductor	∅ 0.64 mm Electrolytic Annealed Copper
Insulation	∅ 2.80 mm Physical Foamed Polyethylene
1.Screen	Al-Pes Foil 100% Coverage Rate
2.Screen	Aluminium Wire Braiding 70% Coverage Rate
Sheath	∅ 4.50 mm PVC Black (EN 50290-2/HD 21.1.S4/VDE 0281 TM1)
Copper Weight (Kg/Km)	9
Cable Weight (Kg/Km)	27
Standard Packing	500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance	75 Ohm	Maximum Length (meter / ±%10)	
Capacitance	55 pF/m	143 Mb/s (74.5 Mhz)	270
Velocity of Propagation	78%	177 Mb/s (88.5 Mhz)	245
Insulation Resistance	> 2000 M. Ohm x Km	230 Mb/s (135 Mhz)	225
Conductor Resistance	< 60 Ohm/Km	360 Mb/s (180 Mhz)	200
Test Voltage (50 Hz)	2.5 kV	540 Mb/s (270 Mhz)	160
Maximum Operating Voltage	1.1 kV	1485 Mb/s (342.5 Mhz)	66
Temperature Range	-30 °C... +70 °C		
Attenuation (max. dB/100 m)			
	1MHz	1.40	
	3MHz	2.05	
	5MHz	2.75	
	10MHz	4.05	
	100MHz	12.10	
	200MHz	15.80	
	300MHz	19.20	
	500MHz	24.20	
	800MHz	30.30	
	1000MHz	34.40	
	1500MHz	42.40	
	2250MHz	52.40	
	3000MHz	61.50	

RG 59 FA Mini TWIN RG 59 FA Mini



RG 59 FA Mini Part Number:11015004



TWIN RG 59 FA Mini Part Number:19015004

Applications

They are used as distribution cable especially in narrow places for indoor CATV, CCTV systems. TWIN cable is used to transmit the signals from two cameras or two satellite dishes to the relevant devices in CCTV systems.

Construction

Conductor
Insulation
1.Screen
2.Screen
Sheath

RG 59 FA Mini

ø 0.60 mm Electrolytic Annealed Copper
ø 2.70 mm Physical Foamed Polyethylene
Al-Pes Foil 100% Coverage Rate
Aluminium Wire Braiding 55% Coverage Rate
ø 4.50 mm PVC White(EN 50290-2 / HD 21.1.S4 /
VDE 0281 TM1)

Minimum Bending Radius 45 mm
Copper Weight (Kg/Km) 2.6
Cable Weight (Kg/Km) 21
Standard Packing 500 - 1000 m

TWIN RG 59 FA Mini

ø 0.60 mm Electrolytic Annealed Copper
ø 2.70 mm Physical Foamed Polyethylene
Al-Pes Foil 100% Coverage Rate
Aluminium Wire Braiding 55% Coverage Rate
ø 4.4 x 8.9 mm PVC White (EN 50290-2 /
HD 21.1.S4/VDE 0281 TM1)

45 mm
5.2
43
500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance 75 ± 3 Ohm
Capacitance 53 pF/m
Velocity of Propagation 82%
Insulation Resistance > 2000 M. Ohm x Km
Conductor Resistance < 64 Ohm/Km
Test Voltage (50 Hz) 2.5 kV
Maximum Operating Voltage 1.1 kV
Temperature Range -30 °C... +70 °C
Attenuation (max. dB/100 m)

230 MHz	18.8
470 MHz	26.0
860 MHz	35.0
1000 MHz	38.0

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 64 Ohm/Km
2.5 kV
1.1 kV
-30 °C... +70 °C
18.8
26.0
35.0
38.0

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

RG 59 / 4 F

RG 59 / 6 F



RG 59 / 4 F Part Number:11015904



RG 59 / 6 F Part Number:11015906

Applications

They are used as distribution cable where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems.

Construction

Conductor
Insulation
1.Screen
2.Screen
Sheath

RG 59 / 4 F

ø 0.81 mm Electrolytic Annealed Copper
ø 3.60 mm Physical Foamed Polyethylene
Al-Pes- Al Foil 100% Coverage Rate
Tinned Copper Wire Braiding 55% Coverage Rate
ø 5.80 mm PVC White(EN 50290-2 / VDE 0207 / HD624.7 S1 Hm2)

Minimum Bending Radius
Copper Weight (Kg/Km)
Cable Weight (Kg/Km)
Standard Packing

58 mm
12
39
100 - 500 - 1000 m

RG 59 / 6 F

ø 0.81 mm Electrolytic Annealed Copper
ø 3.60 mm Physical Foamed Polyethylene
Cu-Pes Foil 100% Coverage Rate
Annealed Copper Wire Braiding 55% Coverage Rate
ø 5.80 mm PVC White (EN 50290-2 / VDE 0207 / HD624.7 S1 HM2)

58 mm
12
39
100 - 500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance
Capacitance
Velocity of Propagation
Insulation Resistance
Conductor Resistance
Test Voltage (50 Hz)
Maximum Operating Voltage
Temperature Range
Attenuation (max. dB/100 m)

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 36 Ohm/Km
2.5 kV
1.1 kV
-30 °C... + 70 °C

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 36 Ohm/Km
2.5 kV
1.1 kV
-30 °C... + 70 °C

230 MHz	12.8
470 MHz	18.2
860 MHz	25.3
1000 MHz	27.4
1500 MHz	34.1
2000 MHz	40.0
2400 MHz	44.1
3000 MHz	49.2

12.6
18.0
25.1
27.2
33.4
39.2
43.5
48.5

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 59 / 4 FA

TWIN RG 59 / 4 FA



RG 59 / 4 FA Part Number:15015904



TWIN RG 59/4 FA Part Number:11016004

Applications

They are used as distribution cable where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems. TWIN cable is used to transmit the signals from two cameras or two satellite dishes to the relevant devices in CCTV systems.

Construction

Conductor
Insulation
1.Screen
2.Screen
Sheath

RG 59 / 4 FA

∅ 0.81 mm Electrolytic Annealed Copper
∅ 3.60 mm Physical Foamed Polyethylene
Al-Pes Foil 100% Coverage Rate
Aluminium Wire Braiding 55% Coverage Rate
∅ 5.80 mm PVC White (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)

TWIN RG 59 / 4 FA

∅ 0.81 mm Electrolytic Annealed Copper
∅ 3.60 mm Physical Foamed Polyethylene
Al-Pes Foil 100% Coverage Rate
Aluminium Wire Braiding 55% Coverage Rate
∅ 5.80 x 12.30 mm PVC White (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)

Minimum Bending Radius
Copper Weight (Kg/Km)
Cable Weight (Kg/Km)
Standard Packing

58 mm
4.7
34
500 - 1000 m

58 mm
9.4
72
500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance
Capacitance
Velocity of Propagation
Insulation Resistance
Conductor Resistance
Test Voltage (50 Hz)
Maximum Operating Voltage
Temperature Range
Attenuation (max. dB/100 m)

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 36 Ohm/Km
2.5 kV
1.1 kV
-30 °C... +70 °C

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 36 Ohm/Km
2.5 kV
1.1 kV
-30 °C... +70 °C

230 MHz 13.0
470 MHz 18.5
860 MHz 25.7
1000 MHz 27.7
1500 MHz 34.5
2000 MHz 40.4
2400 MHz 44.5
3000 MHz 49.6

13.0
18.5
25.7
27.7
34.5
40.4
44.5
49.6

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 59 / 4 FHF

RG 59 / 6 FHF



RG 59 / 4 FHF Part Number:11415904



RG 59 / 6 FHF Part Number:11415906

Applications

They are used as distribution cable where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems. These halogen free cables are used in buildings where there is intense human population such as hotels, schools, hospitals, shopping centers, etc. They have low smoke density and they don't emit poisonous and corrosive gases during a fire. They are tested according to IEC 60332-1.

Construction

Conductor
Insulation
1.Screen
2.Screen
Sheath

RG 59 / 4 FHF

ø 0.81 mm Electrolytic Annealed Copper
ø 3.60 mm Physical Foamed Polyethylene
Al-Pes- Al Foil 100% Coverage Rate
Tinned Copper Wire Braiding 55% Coverage Rate
ø 5.80 mm HFFR White (EN 50290-2 / VDE 0207 / HD624.7 S1 HM2)

RG 59 / 6 FHF

ø 0.81 mm Electrolytic Annealed Copper
ø 3.60 mm Physical Foamed Polyethylene
Cu-Pes Foil 100% Coverage Rate
Annealed Copper Wire Braiding 55% Coverage Rate
ø 5.80 mm HFFR White (EN 50290-2 / VDE 0207 / HD624.7 S1 HM2)

Minimum Bending Radius
Copper Weight (Kg/Km)
Cable Weight (Kg/Km)
Standard Packing

58 mm
12
41
100 - 500 - 1000 m

58 mm
12
41
100 - 500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance
Capacitance
Velocity of Propagation
Insulation Resistance
Conductor Resistance
Test Voltage (50 Hz)
Maximum Operating Voltage
Temperature Range
Attenuation (max. dB/100 m)

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 36 Ohm/Km
2.5 kV
1.1 kV
-30 °C... +70 °C

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 36 Ohm/Km
2.5 kV
1.1 kV
-30 °C... +70 °C

230 MHz 12.8
470 MHz 18.2
860 MHz 25.3
1000 MHz 27.4
1500 MHz 34.1
2000 MHz 40.0
2400 MHz 44.1
3000 MHz 49.2

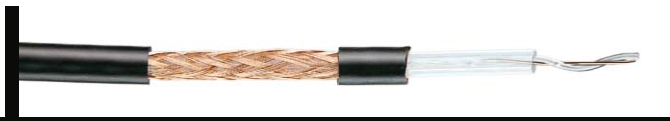
12.6
18.0
25.1
27.2
33.4
39.2
43.5
48.5

Vertical Fire Test
Corrosive Gas Test
Smoke Density Test

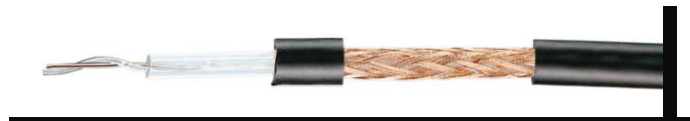
IEC / EN 60332-1
IEC 60754-2 / EN 50267(HD 602)
IEC / EN 61034-2 / EN 50268 (HD 606) / BS 7622
TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

Reference Standards

RG 62 A / U Indoor
RG 62 A / U Outdoor



RG 62 A / U Indoor Part Number:19006200



RG 62 A / U Outdoor Part Number:19006300

Applications

RG 62 A/U Indoor is used indoors and RG 62 A/U Outdoor is used outdoors for connection for IBM data communication networks.

Construction

	RG 62 A / U Indoor	RG 62 A / U Outdoor
Conductor	∅ 0.64 mm Electrolytic Annealed Copper	∅ 0.64 mm Electrolytic Annealed Copper
Insulation	∅ 3.71mm Semi air space PE	∅ 3.71mm Semi air space PE
Screen	Annealed Copper Wire Braiding 95% Coverage	Annealed Copper Wire Braiding 95% Coverage
Separator	-	Polyester tape
Sheath	∅ 6.15 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281TM1)	∅ 6.60 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281TM1)

Minimum Bending Radius	62 mm	66 mm
Copper Weight (Kg/Km)	24.2	24.2
Cable Weight (Kg/Km)	54.4	58.9
Standard Packing	500 -1000 m	500 -1000 m

Technical and Electrical Properties (20 °C)

Impedance	93 ± 5 Ohm	93 ± 5 Ohm
Capacitance	44.3 pF/m	44.3 pF/m
Velocity of Propagation	84%	84%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 135.1 Ohm/Km	< 135.1 Ohm/Km
Test Voltage (50 Hz)	5.0 kV	5.0 kV
Maximum Operating Voltage	2.5 kV	2.5 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)		
	10 MHz	2.8
	100 MHz	8.9
	200 MHz	12.5
	400 MHz	17.4
	500 MHz	19.5
	700 MHz	23.9
	900 MHz	26.9
	1000 MHz	28.5

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 62 A / U SWA Part Number:19006400

Applications

These cables produced with armour are used for connection for IBM data communication networks. The armour obtains mechanical resistance.

Construction

Conductor	∅ 0.64 mm Electrolytic Annealed Copper
Insulation	∅ 3.71 mm Semi air space PE
Screen	Annealed Copper Wire Braiding 95% Coverage Rate
Inner Sheath	∅ 6.15 mm PVC Black
Steel Armour	Round Galvanized Steel Wire ∅ 0.90 mm
Sheath	∅ 10.35 mm UV Resistant PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)

Minimum Bending Radius	104 mm
Copper Weight (Kg/Km)	24.2
Cable Weight (Kg/Km)	248
Standard Packing	250-500 m

Technical and Electrical Properties (20 °C)

Impedance	93 ± 5 Ohm																
Capacitance	44,3 pF/m																
Velocity of Propagation	84%																
Insulation Resistance	> 2000 M. Ohm x Km																
Conductor Resistance	< 135.1 Ohm/Km																
Test Voltage (50 Hz)	5.0 kV																
Maximum Operating Voltage	2.5 kV																
Temperature Range	-30 °C... + 70 °C																
Attenuation (max. dB/100 m)	<table> <tr> <td>10 MHz</td> <td>2.8</td> </tr> <tr> <td>100 MHz</td> <td>8.9</td> </tr> <tr> <td>200 MHz</td> <td>12.5</td> </tr> <tr> <td>400 MHz</td> <td>17.4</td> </tr> <tr> <td>500 MHz</td> <td>19.5</td> </tr> <tr> <td>700 MHz</td> <td>23.9</td> </tr> <tr> <td>900 MHz</td> <td>26.9</td> </tr> <tr> <td>1000 MHz</td> <td>28.5</td> </tr> </table>	10 MHz	2.8	100 MHz	8.9	200 MHz	12.5	400 MHz	17.4	500 MHz	19.5	700 MHz	23.9	900 MHz	26.9	1000 MHz	28.5
10 MHz	2.8																
100 MHz	8.9																
200 MHz	12.5																
400 MHz	17.4																
500 MHz	19.5																
700 MHz	23.9																
900 MHz	26.9																
1000 MHz	28.5																

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

RG 6 / 4 F
TWIN RG 6 / 4 F



RG 6/4 F White Part Number:11010604
 Black (2 Orange Traced) Part Number:11060604
 Black (2 Green Traced) Part Number:11070604

TWIN RG 6/4 F Part Number:11010704

Applications

They are used as distribution cable where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems. TWIN cable is used to transmit the signals from two cameras or two satellite dishes to the relevant devices in CCTV systems.

Construction

	RG 6/4 F	TWIN RG 6/4 F
Conductor	∅ 1.02 mm Electrolytic Annealed Copper	∅ 1.02 mm Electrolytic Annealed Copper
Insulation	∅ 4.63 mm Physical Foamed Polyethylene	∅ 4.63 mm Physical Foamed Polyethylene
1.Screen	Al - Pes - Al Foil 100% Coverage Rate	Al - Pes - Al Foil 100% Coverage Rate
2.Screen	Tinned Copper Wire Braiding 50% Coverage Rate	Tinned Copper Wire Braiding 50% Coverage Rate
Sheath	∅ 6.80 mm PVC White or Black (Traced) (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)	∅ 6.8 -13.80 mm PVC White (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)
Minimum Bending Radius	68 mm	68 mm
Copper Weight (Kg/Km)	16.5	33
Cable Weight (Kg/Km)	47	97
Standard Packing	100-500-1000 m	100-500 m

Technical and Electrical Properties (20 °C)

Impedance	75 ± 3 Ohm	75 ± 3 Ohm
Capacitance	53 pF/m	53 pF/m
Velocity of Propagation	82%	82%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 23 Ohm/Km	< 23 Ohm/Km
Test Voltage (50 Hz)	3.0 kV	3.0 kV
Maximum Operating Voltage	1.3 kV	1.3 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)	230 MHz 10.2	10.2
	470 MHz 14.7	14.7
	860 MHz 20.5	20.5
	1000 MHz 22.5	22.5
	1500 MHz 28.2	28.2
	2000 MHz 33.5	33.5
	2400 MHz 37.5	37.5
	3000 MHz 42.5	42.5

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

TSEK

RG 6 / 4 FA Cu Trishield
RG 6 / 4 FA CCS Trishield



RG 6/4 F Cu Trishield Part Number:19903002



RG 6/4 F CCS Trishield Part Number:19903001

Applications

They are 3 layers screened cables and used where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems.

Construction

	RG 6 / 4 FA Cu Trishield	RG 6 / 4 FA CCS Trishield
Conductor	∅ 1.02 mm Electrolytic Annealed Copper	∅ 1.02 mm Copper Clad Steel Wire
Insulation	∅ 4.63 mm Physical Foamed Polyethylene	∅ 4.63 mm Physical Foamed Polyethylene
1. Screen	Sealed Al-Pes Foil Coverage rate 100%	Sealed Al-Pes Foil Coverage rate 100%
2. Screen	Aluminium Wire Braiding 55% Coverage Rate	Aluminium Wire Braiding 55% Coverage Rate
3. Screen	Al-Pes Foil 100% Coverage Rate	Al-Pes Foil 100% Coverage Rate
Sheath	∅ 7.00 mm PVC White (EN 50290-2/HD 21.1.S4/3 VDE 0281TM1)	∅ 7.00 mm PVC White (EN 50290-2/HD 21.1.S4/3 VDE 0281TM1)
Minimum Bending Radius	70 mm	70 mm
Copper Weight (Kg/Km)	7.5	2
Cable Weight (Kg/Km)	44.0	48.0
Standard Packing	100-305-500-1000 m	100-305-500-1000 m

Technical and Electrical Properties (20 °C)

	RG 6 / 4 FA Cu Trishield	RG 6 / 4 FA CCS Trishield
Impedance	75 ± 3 Ohm	75 ± 3 Ohm
Capacitance	53 pF/m	53 pF/m
Velocity of Propagation	82%	82%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 23 Ohm/Km	< 100 Ohm/Km
Test Voltage (50 Hz)	3.0 kV	3.0 kV
Maximum Operating Voltage	1.3 kV	1.3 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)	230 MHz 10.4 470 MHz 15.0 860 MHz 21.0 1000 MHz 23.0 1500 MHz 28.7 2000 MHz 34.0 2400 MHz 38.0 3000 MHz 43.0	230 MHz 10.4 470 MHz 15.0 860 MHz 21.0 1000 MHz 23.0 1500 MHz 28.7 2000 MHz 34.0 2400 MHz 38.0 3000 MHz 43.0

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

RG 6 / 4 FA SAT-1
4 x RG 6 / 4 FA SAT-1



RG 6 / 4 F SAT-1 Part Number:19910607



4xRG 6 / 4 F SAT-1 Part Number:19990607

Applications

They are used as distribution cable where low attenuation is required for indoor CATV, CCTV, cable TV and satellite systems.

Construction

Conductor
Insulation
1. Screen
2. Screen
Sheath

RG 6 / 4 FA SAT-1

ø 1.02 mm Electrolytic Annealed Copper
ø 4.63 mm Physical Foamed Polyethylene
Al-Pes Foil 100% Coverage Rate
Aluminium Wire Braiding 50% Coverage Rate
ø 6.80 mm PVC White (EN 50290-2/HD 21.1.S4/
VDE 0281TM1)

4xRG 6 / 4 FA SAT-1

4 different sheath colored
SAT-1 is
stranded together
ø 19.00 mm PE Black (EN 50290-2-24)

Minimum Bending Radius
Copper Weight (Kg/Km)
Cable Weight (Kg/Km)
Standard Packing

68 mm
7.5
42.0
100-300-500-1000 m

198 mm
30
340
300-500 m

Technical and Electrical Properties (20 °C)

Impedance
Capacitance
Velocity of Propagation
Insulation Resistance
Conductor Resistance
Test Voltage (50 Hz)
Maximum Operating Voltage
Temperature Range
Attenuation (max. dB/100 m)

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 23 Ohm/Km
3.0 kV
1.3 kV
-30 °C... +70 °C

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 23 Ohm/Km
3.0 kV
1.3 kV
-30 °C... +70 °C

230 MHz 10.4
470 MHz 15.0
860 MHz 21.0
1000 MHz 23.0
1500 MHz 28.7
2000 MHz 34.0
2400 MHz 38.0
3000 MHz 43.0

10.4
15.0
21.0
23.0
28.7
34.0
38.0
43.0

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

RG 6/4 F - HD



RG 6/4 F HD Ürün Kodu: 11300604

Applications

These cables are used in TV systems and transmission of the image signals.

Construction

Conductor	ø 1.02 mm Electrolytic Annealed Copper
Insulation	ø 4.80 mm Physical Foamed Polyethylene
1. Screen	Al-Pes Foil 100% Coverage Rate
2. Screen	Aluminium Wire Braiding 70% Coverage Rate
Sheath	ø 7.0 mm PVC Black (EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)
Copper Weight (Kg/Km)	18
Cable Weight (Kg/Km)	55
Standard Packing	500 - 1000 m

Technical and Electrical Properties (20 °C)

		Maximum Lenght (meter/±%10)	
Impedance	75 Ohm		
Capacitance	55 pF/m	143 Mb/s (74.5 Mhz)	515
Velocity of Propagation	78%	177 Mb/s (88.5 Mhz)	475
Insulation Resistance	> 2000 M. Ohm x Km	230 Mb/s (135 Mhz)	375
Conductor Resistance	< 23 Ohm/Km	360 Mb/s (180 Mhz)	320
Test Voltage (50 Hz)	3.0 kV	540 Mb/s (270 Mhz)	265
Maximum Operating Voltage	1.3 kV	1485 Mb/s (342.5 Mhz)	115
Temperature Range	-30 °C... +70 °C		
Attenuation (max. dB/100 m)			
	1MHz	0.90	
	3MHz	1.40	
	5MHz	1.85	
	10MHz	3.05	
	100MHz	7.60	
	200MHz	10.30	
	300MHz	12.10	
	500MHz	15.50	
	800MHz	19.50	
	1000MHz	21.90	
	1500MHz	27.00	
	2250MHz	32.70	
	3000MHz	38.30	



RG 6/4 FP
RG 6/4 FHF



RG 6/4 FP Part Number:11100604



RG 6/4 FHF Part Number:11410604

Applications

They are used as distribution cable where low attenuation is required for CATV, CCTV, cable TV and satellite systems.

RG 6/4 FP :Used in outdoor and underground systems.

RG 6/4 FHF :These halogen free cables are used in buildings where there is intense human population such as hotels, schools, hospitals, shopping centers, etc. They have low smoke density and they don't emit poisonous and corrosive gases during a fire. They are tested according to IEC 60332-1.

Construction

Conductor
Insulation
1. Screen
2. Screen
Sheath

RG 6/4 FP

ø 1.02 mm Electrolytic Annealed Copper
ø 4.63 mm Physical Foamed Polyethylene
Al - Pes - Al Foil 100% Coverage Rate
Tinned Copper Wire Braiding 50% Coverage Rate
ø 6.80 mm PE Black (EN 50290-2-24)

RG 6/4 FHF

ø 1.02 mm Electrolytic Annealed Copper
ø 4.63 mm Physical Foamed Polyethylene
Al - Pes - Al Foil 100% Coverage Rate
Tinned Copper Wire Braiding 50% Coverage Rate
ø 6.80 mm HFFR White (EN 50290-2/
VDE0207/HD624.7 S1 HM2)

Minimum Bending Radius
Copper Weight (Kg/Km)
Cable Weight (Kg/Km)
Standard Packing

68 mm
16.5
42
500-1000m

68 mm
16.5
48.5
100-500-1000 m

Technical and Electrical Properties (20 °C)

Impedance
Capacitance
Velocity of Propagation
Insulation Resistance
Conductor Resistance
Test Voltage (50 Hz)
Maximum Operating Voltage
Temperature Range
Attenuation (max. dB/100 m)

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 23 Ohm/Km
3.0 kV
1.3 kV
-40 °C... +70 °C
230 MHz 10.2
470 MHz 14.7
860 MHz 20.5
1000 MHz 22.5
1500 MHz 28.2
2000 MHz 33.5
2400 MHz 37.5
3000 MHz 42.5

75 ± 3 Ohm
53 pF/m
82%
> 2000 M. Ohm x Km
< 23 Ohm/Km
3.0 kV
1.3 kV
-30 °C... +70 °C
10.2
14.7
20.5
22.5
28.2
33.5
37.5
42.5

Vertical Fire Test (RG 6/4 FHF)
Smoke Density Test (RG 6/4 FHF)
Corrosive Gas Test (RG 6/4 FHF)

IEC/EN 60332-1
IEC/EN 61034-2 / EN 50268 (HD606) / BS 7622
IEC 60754-2/ EN 50267 (HD 602)
TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

Reference Standards



RG 6/6 F Beyaz Ürün Kodu:11010606
Siyah (2 Yeşil İzli) Ürün Kodu:11060606

Kullanım Alanları

Bina içi CATV, CCTV, kablolu TV ve UYDU sistemlerinde düşük zayıflama gerektiren yerlerde kullanılırlar.

Kablo Yapısı

İç İletken
Yalıtıcı
1. Ekran
2. Ekran
Dış Kılıf

RG 6/6 F

Ø 1.02 mm Elektrolitik Tavlı Bakır
Ø 4.63 mm Fiziksel Köpürtmeli Polietilen
Cu-Pes Folyo%100 Kapama
Tavlı Bakır Tel Örgü %50 Kapama
Ø 6.90 mm PVC Beyaz veya Siyah (izli) (EN 50290-2/HD 21.1.S4/VDE 0281TM1)

Minimum Bükme Yarıçapı 69 mm
Bakır Ağırlığı (Kg/Km) 16.5
Kablo Ağırlığı (Kg/Km) 51
Standart Ambalaj 100-500-1000 m

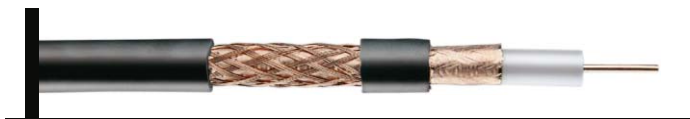
Teknik ve Elektriksel Özellikler (20 °C)

Empedans 75 ± 3 Ohm
Kapasite 53.0 pF/m
Yayıma Hızı %82
İzolasyon Direnci > 2000 M. Ohm x Km
İletken Direnci < 23 Ohm/Km
Test Gerilimi (50 Hz) 3.0 kV
Maximum Çalışma Gerilimi 1.3 kV
Çalışma Sıcaklığı -30 °C... +70 °C
Zayıflamalar (max. dB/100 m)
230 MHz 10.0
470 MHz 14.4
860 MHz 20.3
1000 MHz 22.0
1500 MHz 27.7
2000 MHz 33.0
2400 MHz 37.0
3000 MHz 42.0

Referans Standartlar

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

TSEK


 RG 6 / 6 FP
 RG 6 / 6 FHF


RG 6/6 FP Part Number:11100606



RG 6/6 FHF Part Number:11410606

Applications

They are used as distribution cable where low attenuation is required for CATV, CCTV, cable TV and satellite systems.

RG 6/6 FP :Used in outdoor and underground systems.

RG 6/6 FHF :These halogen free cables are used in buildings where there is intense human population such as hotels, schools, hospitals, shopping centers, etc. They have low smoke density and they don't emit poisonous and corrosive gases during a fire. They are tested according to IEC 60332-1.

Construction

Conductor
 Insulation
 1.Screen
 2.Screen
 Sheath

RG 6/6 FP

∅ 1.02 mm Electrolytic Annealed Copper
 ∅ 4.63 mm Physical Foamed Polyethylene
 Cu-Pes Foil 100% Coverage Rate
 Annealed Copper Wire Braiding 50% Coverage Rate
 ∅ 6.90 mm PE Black (EN 50290-2-24)

RG 6/6 FHF

∅ 1.02 mm Electrolytic Annealed Copper
 ∅ 4.63 mm Physical Foamed Polyethylene
 Cu-Pes Foil 100% Coverage Rate
 Annealed Copper Wire Braiding 50% Coverage Rate
 ∅ 6.90 mm HFFR White (EN 50290-2/
 VDE 0207 / HD624.7 S1 HM2)

Minimum Bending Radius
 Copper Weight (Kg/Km)
 Cable Weight (Kg/Km)
 Standard Packing

69 mm
 16.5
 44
 500-1000m

69 mm
 16.5
 52.5
 100-500-1000 m

Technical and Electrical Properties (20 °C)

Impedance
 Capacitance
 Velocity of Propagation
 Insulation Resistance
 Conductor Resistance
 Test Voltage (50 Hz)
 Maximum Operating Voltage
 Temperature Range
 Attenuation (max. dB/100 m)

75 ± 3 Ohm
 53 pF/m
 82%
 > 2000 M. Ohm x Km
 < 23 Ohm/Km
 3.0 kV
 1.3 kV
 -40 °C... +70 °C
 230 MHz 10.0
 470 MHz 14.4
 860 MHz 20.3
 1000 MHz 22.0
 1500 MHz 27.7
 2000 MHz 33.0
 2400 MHz 37.0
 3000 MHz 42.0

75 ± 3 Ohm
 53 pF/m
 82%
 > 2000 M. Ohm x Km
 < 23 Ohm/Km
 3.0 kV
 1.3 kV
 -30 °C... +70 °C
 10.0
 14.4
 20.3
 22.0
 27.7
 33.0
 37.0
 42.0

Vertical Fire Test (RG 6/6 FHF)
 Smoke Density Test (RG 6/6 FHF)
 Corrosive Gas Test (RG 6/6 FHF)

IEC / EN 60332-1
 IEC / EN 61034-2 / EN 50268 (HD 606) / BS 7622
 IEC 60754-2 / EN 50267 (HD 602)
 TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

Reference Standards

RG 8 / U
RG 8 A / U



RG 8 / U Part Number:16000800



RG 8 A / U Part Number:14000800

Applications

They are used as connection cable for wireless and data communication systems for high signal chains where low attenuation is required.

Construction

	RG 8 / U	RG 8 A / U
Conductor	7 x \varnothing 0.912 mm Stranded Annealed Copper Wire	7 x \varnothing 0.724 mm Stranded Annealed Copper Wire
Insulation	\varnothing 7.24 mm Foamed Polyethylene	\varnothing 7.24 mm Solid PE
Screen	Annealed Copper Wire Braiding 97% Coverage	Annealed Copper Wire Braiding 97% Coverage
Sheath	\varnothing 10.30 mm PVC Black (EN 50290-2 /HD 21.1.S4 /VDE 0281 TM1)	\varnothing 10.30 mm PVC Black (EN 50290-2 /HD 21.1.S4 /VDE 0281 TM1)
Minimum Bending Radius	103 mm	103 mm
Copper Weight (Kg/Km)	81	70
Cable Weight (Kg/Km)	161	157
Standard Packing	250 - 500 m	250 - 500 m

Technical and Electrical Properties (20 °C)

	RG 8 / U	RG 8 A / U
Impedance	50 ± 2 Ohm	52 ± 2 Ohm
Capacitance	85.3 pF/m	96.8 pF/m
Velocity of Propagation	78%	66%
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 3.9 Ohm/Km	< 6.2 Ohm/Km
Test Voltage (50 Hz)	5 kV	10 kV
Maximum Operating Voltage	3 kV	5 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)		
	10 MHz 1.7	1.8
	100 MHz 5.6	6.2
	200 MHz 8.5	9.2
	400 MHz 12.8	13.8
	500 MHz 15.0	16.0
	700 MHz 18.4	19.4
	900 MHz 21.3	22.6
	1000 MHz 23.0	24.3

Reference Standards

MIL-C-17, TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3



RG 8 / X
RG 59 B / U



RG 8 / X Part Number:15000900



RG 59 B / U Part Number:11515900

Applications

RG 8 / X : They are used as connection cable for wireless and data communication systems for high signal chains where low attenuation is required.

RG 59 B / U : These 75 ohm impedance cables with low attenuation are used in satellite and car antenna systems.

Construction

Conductor
Insulation
Screen
Sheath

RG 8 / X

19 x \varnothing 0.287 mm Stranded Annealed Copper Wire
 \varnothing 3.94 mm Foamed Polyethylene
Annealed Copper Wire Braiding 95% Coverage Rate
 \varnothing 6.15 mm PVC Black or White
(EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)

RG 59 B / U

\varnothing 0.574 mm Copper Clad Steel Wire
 \varnothing 3.71 mm Solid PE
Annealed Copper Wire Braiding 95% Coverage Rate
 \varnothing 6.15 mm PVC Black or White
(EN 50290-2 / HD 21.1.S4 / VDE 0281 TM1)

Minimum Bending Radius
Copper Weight (Kg/Km)
Cable Weight (Kg/Km)
Standard Packing

62 mm
34.6
63.7
500 - 1000 m

62 mm
19.3
53.9
500 - 1000 m

Technical and Electrical Properties (20 °C)

Impedance
Capacitance
Velocity of Propagation
Insulation Resistance
Conductor Resistance
Test Voltage (50 Hz)
Maximum Operating Voltage
Temperature Range
Attenuation (max. dB/100 m)

50 ± 2 Ohm
81.4 pF/m
82%
> 2000 M. Ohm x Km
< 14.1 Ohm/Km
2.5 kV
1.1 kV
-30 °C... +70 °C

75 ± 3 Ohm
67.3 pF/m
66%
> 2000 M. Ohm x Km
< 160 Ohm/Km
5 kV
2 kV
-30 °C... +70 °C

10 MHz 2.9
100 MHz 10.2
200 MHz 14.8
400 MHz 21.7
500 MHz 26.0
700 MHz 29.9
900 MHz 35.1
1000 MHz 36.7

3.6
11.2
16.1
23.0
27.0
31.8
36.4
39.4

Reference Standards

MIL-C-17, TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

TCE2H2HH2 0.4 / 1.9 LSZH

TCE2H2HH2M 0.4 / 1.9 LSZH



TCE2H2HH2 0.4/1.9 LSZH



TCE2H2HH2M 0.4/1.9 LSZH

Applications

These halogen free double shielded and 75 ohm cables are used telecommunication systems and data transmission.

Construction

	TCE2H2HH2	TCE2H2HH2M
Conductor	∅ 0.40 mm Tinned Copper Wire	∅ 0.40 mm Tinned Copper Wire
Insulation	∅ 1.90 mm Foamed Polyethylene	∅ 1.90 mm Foamed Polyethylene
1.Screen	Tinned Copper Wire Braiding 85% Coverage Rate	Tinned Copper Wire Braiding 85% Coverage Rate
2.Screen	Al-Pes Foil 100% Coverage Rate	Al-Pes Foil 100% Coverage Rate
3.Screen	Tinned Copper Wire Braiding 85% Coverage Rate	Tinned Copper Wire Braiding 85% Coverage Rate
Sheath (EN 50290-2/VDE 0207/HD 624.7 S1 HM 2)	∅ 3.40 mm HFFR RAL 7001 Gri	∅ 3.40 mm HFFR RAL 7001 Gri
Outer Sheath (EN 50290-2/VDE 0207/HD 624.7 S1 HM 2)		HFFR RAL 7001 Gri

Technical and Electrical Properties (20 °C)

Impedance	75 ± 3 Ohm	75 ± 3 Ohm
Capacitance	60 pF/m	60 pF/m
Insulation Resistance	> 2000 M. Ohm x Km	> 2000 M. Ohm x Km
Conductor Resistance	< 149 Ohm/Km	< 149 Ohm/Km
Test Voltage (50 Hz)	2.5 kV	2.5 kV
Maximum Operating Voltage	1.1 kV	1.1 kV
Temperature Range	-30 °C... +70 °C	-30 °C... +70 °C
Attenuation (max. dB/100 m)	1 MHz	2.6
	4 MHz	4.2
	10 MHz	6.2
	50 MHz	14.4
	70 MHz	17.2
	100 MHz	20.8
Vertical Fire Test	IEC/EN 60332-1	
Smoke Density Test	IEC/EN 61034-2/EN 50268 (HD 606)/BS 7622	
Corrosive Gas Test	IEC 754-1-2/EN 50267 (HD 602)	

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

Part Number	Description	Cable Diameter(mm)	Copper Weight(kg/km)	Cable Weight(kg/km)	Standard Packing
19999901	TCE2H2HH2 (0.4/1.9)	3.4	14.8	35	100-500-1000 m
19999902	TCE2H2HH2M 4(0.4/1.9)	10.3	60.2	185	250-500 m
19999903	TCE2H2HH2M 8(0.4/1.9)	13.2	119.7	335	250-500 m

TCE2HH2 0.4 / 1.9 LSZH
TCE2HH2M 0.4 / 1.9 LSZH



TCE2HH2 0.4/1.9 LSZH



TCE2HH2M 0.4/1.9 LSZH

Applications

These halogen free double shielded and 75 ohm cables are used telecommunication systems and data transmission.

Construction

Conductor

TCE2HH2 0.4/1.9 LSZH

∅ 0.40 mm Tinned Copper Wire

∅ 1.90 mm Foamed Polyethylene

Al-Pes Foil 100% Coverage Rate

Tinned Copper Wire Braiding 85% Coverage Rate

∅ 3.10 mm HFFR RAL 7001 Gri

TCE2HH2M 0.4/1.9 LSZH

∅ 0.40 mm Tinned Copper Wire

∅ 1.90 mm Foamed Polyethylene

Al-Pes Foil 100% Coverage Rate

Tinned Copper Wire Braiding 85% Coverage Rate

∅ 3.10 mm HFFR RAL 7001 Gri

Sheath / Inner Sheath (EN 50290-2/VDE 0207)
/HD 624.7 S1 HM 2)

Outer Sheath (EN 50290-2/VDE 0207/HD 624.7 S1 HM 2)

HFFR RAL 7001 Gri

Technical and Electrical Properties (20 °C)

Impedance

75 ± 3 Ohm

75 ± 3 Ohm

Capacitance

60 pF/m

60 pF/m

Insulation Resistance

> 2000 M. Ohm x Km

> 2000 M. Ohm x Km

Conductor Resistance

< 149 Ohm/Km

< 149 Ohm/Km

Test Voltage (50 Hz)

2.5 kV

2.5 kV

Maximum Operating Voltage

1.1 kV

1.1 kV

Temperature Range

-30 °C... +70 °C

-30 °C... +70 °C

Attenuation (max. dB/100 m)

1 MHz

2.6

2.6

4 MHz

4.2

4.2

10 MHz

6.2

6.2

50 MHz

14.4

14.4

70 MHz

17.2

17.2

100 MHz

20.8

20.8

Vertical Fire Test

IEC / EN 60332-1

Smoke Density Test

IEC / EN 61034-2 / EN 50268 (HD 606) / BS 7622

Corrosive Gas Test

IEC 60754-2 / EN 50267 (HD 602)

Reference Standards

TS 2637 IEC 60096-1, EN 50117, TS 5757 IEC 60096-3

Part Number	Description	Cable Diameter(mm)	Copper Weight(kg/km)	Cable Weight(kg/km)	Standard Packing
19999898	TCE2HH2 (0.4/1.9)	3.1	7.4	15	100-500-1000 m
19999899	TCE2HH2M 4(0.4/1.9)	8.9	29.7	93	250-500 m
19999900	TCE2HH2M 8(0.4/1.9)	12.2	60.0	178	250-500 m