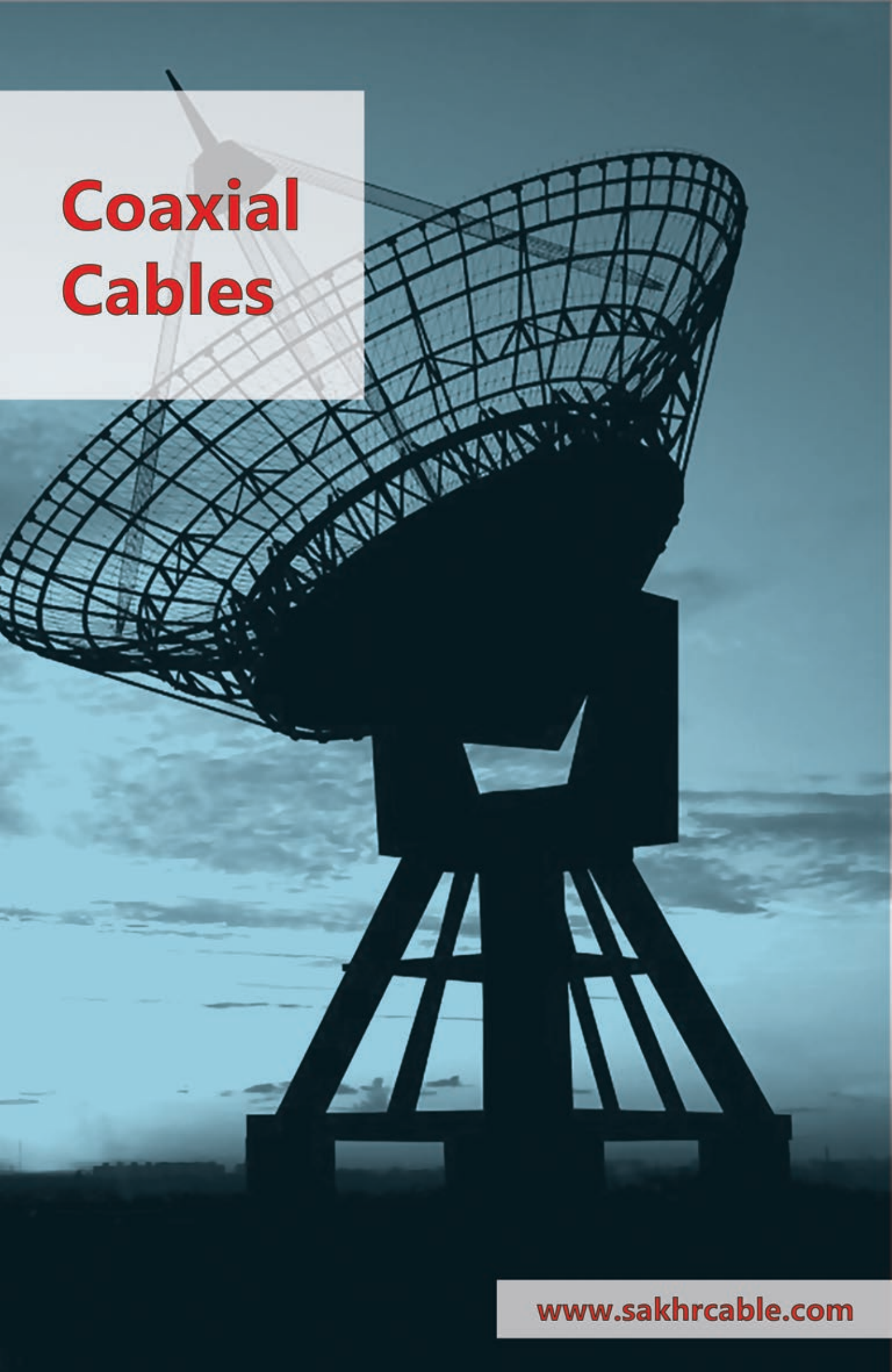




Coaxial Cables

www.sakhrccable.com

Coaxial Cables

C 80

Cables Construction



- Consists of Bare Soft Annealed Copper conductor coated with Foamed Polyethylene dielectric, wrapped with a woven layer of Braided Bare Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Nominal Diameter 1.0 mm.
- Insulation Foamed Polyethylene, Nominal Diameter 4.50 mm.
- Metallic screen Bare Copper Braid providing 55 % Optical Coverage
- Approximate Overall Diameter 6.15 mm
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Black, or White (Other Colours available)
- Outer Sheath Marking =SAKHR CABLES = EGYPT 75 OHM C80 COAXIAL
- Approximate Cable Weight 39 Kg / Km
- Delivery Length 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|--------------------|-----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | | 75C |
| • Capacitance (Nominal) | pF/m | 56 |
| • DC Resistance (Maximum) | | |
| Inner conductor | Ω/km | 22 |
| Outer conductor | Ω/km | 27 |

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications

Attenuation

MHz	50	100	200	400	700	900	1000
dB/100m (Max)	7	9	12	17	22	25	26.5

Coaxial Cables

CF 160

Cables Construction

- Consists of Bare Soft Annealed Copper conductor coated with Foamed Polyethylene dielectric, wrapped with Aluminum / Polyester Screen followed by a woven layer of Braided Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Nominal Diameter 1.0 mm.
- Insulation Foamed Polyethylene, Nominal Diameter 4.50 mm.
- Metallic screen Aluminum / Polyester Screen providing 100 % Optical coverage in contact with Bare Copper braid providing 55 % Optical coverage
- Approximate Overall Diameter 6.25 mm
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Black, or White (Other Colours available)
- Outer Sheath Marking = SAKHR CABLES = EGYPT 75 OHM CF160 COAXIAL
- Approximate Cable Weight 40 Kg / Km
- Delivery Length 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|--------------------|-----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 75C |
| • Capacitance (Nominal) | pF/m | 56 |
| • DC Resistance (Maximum) | | |
| • Inner conductor | Ω/km | 22 |
| • Outer conductor | Ω/km | 27 |

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications

Attenuation

MHz	50	100	200	400	700	900	1000
dB/100m (Max)	7	9	12	17	22	25	26.5

Coaxial Cables

RG 6

Cables Construction

- Consists of Bare Soft Annealed Copper conductor coated with Foamed Polyethylene dielectric, wrapped with Aluminum / Polyester Screen and then followed a woven layer of Braided Tinned Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- Inner Conductor** Solid Copper Wire, Bare, Nominal Diameter 1.0 mm.
- Insulation** Foamed Polyethylene, Nominal Diameter 4.50 mm.
- Metallic screen** Aluminum / Polyester Screen providing 100 % Optical coverage in contact with Tinned Copper braid providing 66 % Optical coverage
- Approximate Overall Diameter** 6.40 mm
- Outer Sheath Material** Flame Retardant PVC
- Outer Sheath Color** Black, or White (Other Colours available)
- Outer Sheath Marking** =SAKHR CABLES= EGYPT 75 OHM RG6 TYPE COAXIAL
- Approximate Cable Weight** 47 Kg / Km
- Delivery Length** 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--------------------------------------|------|------|
| Max operating Temperature | °C | 75 |
| Characteristic Impedance (Nominal) | Ω | 75 |
| Velocity of Propagation (Nominal) | % | 75 |
| Capacitance (Nominal) | pF/m | 56 |
| DC Resistance (Maximum) | | |
| Inner conductor | Ω/km | 22 |
| Outer conductor | Ω/km | 12.7 |

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications

Attenuation

MHz	50	100	200	400	700	900	1000
dB/100m (Max)	7	9	12	17	22	25	26.5

Coaxial Cables

RG 6 Armored

Cables Construction



- Consists of Bare Soft Annealed Copper conductor coated with Foamed Polyethylene dielectric, wrapped with Aluminum/Polyester Screen followed by a woven layer of Braided Tinned Copper wires. PVC inner sheath armored with, Galvanized Steel Wires and sheathed by Polyvinyl Chloride.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Nominal Diameter 1.0 mm.
- Insulation Foamed Polyethylene, Nominal Diameter 4.50 mm.
- Metallic screen Aluminum / Polyester Screen providing 100 % Optical coverage in contact with Tinned Copper Braid providing 50 % Optical coverage
- Inner Sheath Material Flame Retardant PVC
- Armor Galvanized Steel Wires for physical protection
- Outer Sheath Material Flame Retardant PVC
- Approximate Overall Diameter 11 mm
- Outer Sheath Color White, (Other Colors available)
- Outer Sheath Marking =SAKHR CABLES = EGYPT 75 OHM RG6 TYPE ARM COAXIAL
- Approximate Cable Weight 255 Kg / Km
- Delivery Length 500 m on Wooden Drums (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|------|----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 75 |
| • Capacitance (Nominal) | pF/m | 56 |
| • DC Resistance (Maximum) | | |
| • Inner conductor | Ω/km | 22 |
| • Outer conductor | Ω/km | 27 |

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications

Attenuation

MHz	50	100	200	400	700	900	1000
dB/100m (Max)	7	9	12	17	22	25	26.5

Coaxial Cables

RG 8

Cables Construction



- Consists of Bare Soft Annealed Stranded Copper conductor coated with Solid Polyethylene dielectric, wrapped with a woven layer of Braided Bare Copper wires and finally sheathed with PVC.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Nominal Diameter 2.22 mm.
- Insulation Solid Polyethylene, Nominal Diameter 7.25 mm.
- Metallic screen Bare Copper Braid providing 97 % Optical Coverage
- Approximate Overall Diameter 12 mm
- Outer Sheath Material PVC
- Outer Sheath Color Black (Other Colours available)
- Outer Sheath Marking =SAKHR CABLES = 50 OHM RG8-PE TYPE COAXIAL
- Approximate Cable Weight 290 Kg / Km
- Delivery Length 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- Max operating Temperature °C 75
- Characteristic Impedance (Nominal) Ω 50
- Velocity of Propagation (Nominal) % 66
- Capacitance (Nominal) pF/m 102
- DC Resistance (Maximum)
 - Inner conductor Ω/km 6.5
 - Outer conductor Ω/km 12.5

Application

- Suitable for Broad cast, Ethernet and RF signal transmission

Attenuation

MHz	50	100	200	400	800	1000
dB/100m (Max)	5.72	8.6	12.4	20.1	30	35

Coaxial Cables

RG 11

Cables Construction

- Consists of Bare Soft Annealed Copper conductor coated with Foamed Polyethylene dielectric, wrapped with Aluminum/Polyester Screen and followed by a woven layer of Braided Tinned Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Nominal Diameter 1.63 mm.
- Insulation Foamed Polyethylene, Nominal Diameter 7.25 mm.
- Metallic screen Aluminum / Polyester Screen providing 100 % Optical coverage in contact with Tinned Copper Braid providing 60 % Optical coverage
- Approximate Overall Diameter 10.20 mm
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Black, or White (Other Colors available)
- Outer Sheath Marking =SAKHR CABLES = EGYPT 75 OHM RG11 TYPE ARM COAXIAL
- Approximate Cable Weight 110 Kg / Km
- Delivery Length 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|--------------------|------|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 75 |
| • Capacitance (Nominal) | pF/m | 53.7 |
| • DC Resistance (Maximum) | | |
| • Inner conductor | Ω/km | 9.5 |
| • Outer conductor | Ω/km | 9 |

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications

Attenuation

MHz	50	100	200	400	700	900	1000
dB/100m (Max)	4.3	7.9	10.2	14	15.6	20.6	22.2

Coaxial Cables

RG 59 (Solid PE)

Cables Construction

- Consists of Bare Soft Annealed Copper conductor coated with Solid Polyethylene dielectric, wrapped with Aluminum/ Polyester Screen and then surrounded by a woven layer of Braided Tinned Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Nominal Diameter 0.59 mm.
- Insulation Solid Polyethylene, Nominal Diameter 3.70 mm.
- Metallic screen Aluminum / Polyester Screen providing 100 % Optical Coverage in contact with Tinned Copper Braid providing 95 % Optical Coverage.
- Approximate Overall Diameter 6.30 mm
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Black, or White (Other Colors available)
- Outer Sheath Marking =SAKHR CABLES = EGYPT 75 OHM RG59 TYPE COAXIAL
- Approximate Cable Weight 65 Kg / Km
- Delivery Length 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|------|----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 66 |
| • Capacitance (Nominal) | pF/m | 64 |
| • DC Resistance (Maximum) | | |
| Inner conductor | Ω/km | 65 |
| Outer conductor | Ω/km | 8 |

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications

Attenuation

MHz	50	100	200	400	700	900	1000
dB/100m (Max)	7.87	11.15	16.07	22.96	31.82	36.41	39.36

Coaxial Cables

RG 59 (Foamed PE)

Cables Construction



- Consists of Bare Soft Annealed Copper conductor coated with Foamed Polyethylene dielectric, wrapped with Aluminum/Polyester Screen and then surrounded by a woven layer of Braided Tinned Copper wires and finally sheathed with polyethylene chloride.

Cables Structure

- **Inner Conductor** Solid Copper Wire, Bare, Nominal Diameter 0.81 mm.
- **Insulation** Foamed polyethylene, Nominal Diameter 3.70 mm.
- **Metallic screen** Aluminum/Polyester Screen providing 100 % Optical Coverage in contact with Tinned Copper Braid providing 61% Optical Coverage.
- **Approximate Overall Diameter** 6.20 mm
- **Outer Sheath Material** Flame Retardant PVC
- **Outer Sheath Color** Black, or White (Other Colors available)
- **Outer Sheath Marking** =SAKHR CABLES = EGYPT 75 OHM RG59 TYPE COAXIAL
- **Approximate Cable Weight** 50 Kg / Km
- **Delivery Length** 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|--------------------|----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 75 |
| • Capacitance (Nominal) | pF/m | 57 |
| • DC Resistance (Maximum) | | |
| • Inner conductor | Ω/km | 37 |
| • Outer conductor | Ω/km | 16 |

Application

- Suitable for low power video signaling and RF signed connection

Attenuation

MHz	50	100	200	400	800	1000
dB/100m (Max)	8	10	14.5	20	25	28

Coaxial Cables

RG 58

Cables Construction



- Consists of a flexible Soft Annealed tinned copper conductor coated with Solid Polyethylene dielectric, surrounded by a woven layer of Braided Tinned Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- Inner Conductor Flexible Copper Wire, Tinned, 19 x 0.18 mm.
- Insulation Solid Polyethylene, Nominal Diameter 2.95 mm.
- Outer Conductor Tinned Copper Braid providing 96 % Optical Coverage
- Approximate Overall Diameter 4.91 mm
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Black, or White (Other Colors available)
- Outer Sheath Marking =SAKHR CABLES= EGYPT CO-AXIAL RG58 TYPE 50 OHM
- Approximate Cable Weight 37.5 Kg / Km
- Delivery Length 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- Max operating Temperature °C 75
- Characteristic Impedance (Nominal) Ω 50
- Velocity of Propagation (Nominal) % 66
- Capacitance (Nominal) pF/m 101
- DC Resistance (Maximum)
 - Inner conductor Ω/km 38
 - Outer conductor Ω/km 12

Application

- Suitable for the Interconnection of Telecommunication Transmission Equipment

Attenuation

MHz	50	100	200	400	700	900
dB/100m (Max)	10.8	16.1	23.9	37.7	55.8	65.8

Coaxial Cables

RG 213

Cables Construction



- Consists of Bare Soft Annealed Stranded Copper conductor coated with Solid Polyethylene dielectric, wrapped with a woven layer of Braided Bare Copper wires and finally sheathed with PVC.

Cables Structure

- **Inner Conductor** Stranded Copper Wire, Bare, Nominal Diameter 2.25 mm.
- **Insulation** Solid Polyethylene, Nominal Diameter 7.25 mm.
- **Metallic screen** Bare Copper Braid providing 95 % Optical Coverage.
- **Approximate Overall Diameter** 10.30 mm
- **Outer Sheath Material** Flame retardant PVC.
- **Outer Sheath Color** Black, (Other Colors available)
- **Outer Sheath Marking** =SAKHR CABLES = 50 OHM RG213 COAXIAL
- **Approximate Cable Weight** 175 Kg / Km
- **Delivery Length** 100 m Coils in Carton Boxes (Other lengths can be arranged)

Electrical properties at 20 °C

- **Max operating Temperature** °C 75
- **Characteristic Impedance (Nominal)** Ω 50
- **Velocity of Propagation (Nominal)** % 60
- **Capacitance (Nominal)** pF/m 104.6
- **DC Resistance (Maximum)**
- **Inner conductor** Ω/km 6.5
- **Outer conductor** Ω/km 6

Application

- Suitable for Broadcast, Ethernet and RF Signal Transmission

Attenuation

MHz	50	100	400	800	1000
dB/100m (Max)	3.94	7.54	13.5	17	19

Coaxial Cables

75Ω Coaxial Interconnection

Cable 0.315/1.95 FR-PVC

Cables Construction

- Consists of Bare Soft Annealed Copper conductor coated with Solid Polyethylene dielectric, surrounded by two woven layers of Braided Tinned Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Diameter 0.315 mm.
- Insulation Solid Polyethylene, Diameter 1.95 mm.
- Metallic screen Two layers of Tinned Copper Braid, Optical Coverage 94 % and 87 %, Diameter Over Second Braid 2.75 mm.
- Approximate Overall Diameter 3.75 mm
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Grey, (Other Colors available)
- Outer Sheath Marking = SAKHR Cables = 0.315/1.95 - 75 Ω Coaxial - FR-PVC
- Approximate Cable Weight 22 Kg / Km
- Delivery Length 500 and 1000 m(Other lengths can be arranged)

Electrical properties at 20 °C

- Max operating Temperature °C 75
- Characteristic Impedance (Nominal) Ω 50
- Velocity of Propagation (Nominal) % 66
- Capacitance (Nominal) pF/m 65
- DC Resistance (Maximum)
 - Inner conductor Ω/km 240
 - Outer conductor Ω/km 20

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications.

Attenuation

MHz	1	4	17	70
dB/100m (Max)	2.3	4.5	9.2	18.7

Coaxial Cables

8 Way 75Ω Coaxial Interconnection

Cable 0.315/1.95 FR-PVC

Cables Construction



- The cable consists of eight 75 Ohm coaxial cables. Each individual miniature coaxial cable consists of a plain annealed copper inner conductor coated with solid polyethylene dielectric, surrounded by two layers of braided copper wires and sheathed with polyvinyl chloride. The miniature coaxial cables are stranded and then sheathed overall with polyvinyl chloride. Low smoke zero halogen is also available.

Cables Structure

- **Inner Conductor** Solid Copper Wire, Bare, Diameter 0.315 mm.
- **Insulation** Solid Polyethylene, Diameter 1.95 mm.
- **Metallic screen** Two layers of Tinned Copper Braid, Optical Coverage 94 % and 87 %, Diameter Over Second Braid 2.75 mm.
- **Approximate Overall Diameter** 15.20 mm.
- **Single Coax Sheath** Flame Retardant PVC, Diameter 3.75 mm, Grey, RAL 7040.
- **Outer Sheath Material** Flame Retardant PVC
- **Outer Sheath Color** Grey, (Other Colors available)
- **Outer Sheath Marking** = SAKHR Cables = 0.315/1.95 - 75 Ω Coaxial - FR-PVC
- **Approximate Cable Weight** 240 Kg / Km
- **Delivery Length** 250 and 500 m (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|------|-----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 66 |
| • Capacitance (Nominal) | pF/m | 65 |
| • DC Resistance (Maximum) | | |
| • Inner conductor | Ω/km | 240 |
| • Outer conductor | Ω/km | 20 |

Application

- Suitable for the Interconnection of Telecommunication Transmission Equipment

Attenuation

MHz	1	4	17	70
dB/100m (Max)	2.3	4.5	9.2	18.7

Coaxial Cables

16 Way 75Ω Coaxial Interconnection

Cable 0.315/1.95 FR-PVC

Cables Construction



- The cable consists of sixteen 75 Ohm coaxial cables. Each individual miniature coaxial cable consists of a plain annealed copper inner conductor coated with solid polyethylene dielectric, surrounded by two layers of braided copper wires and sheathed with polyvinyl chloride. The miniature coaxial cables are stranded and then sheathed overall with polyvinyl chloride. Low smoke zero halogen is also available.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Diameter 0.315 mm.
- Insulation Solid Polyethylene, Diameter 1.95 mm.
- Metallic screen Two layers of Tinned Copper Braid, Optical Coverage 94 % and 87 %, Diameter Over Second Braid 2.75 mm.
- Approximate Overall Diameter 21.20 mm.
- Single Coax Sheath Flame Retardant PVC, Diameter 3.75 mm, Grey.
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Grey, (Other Colors available)
- Outer Sheath Marking = SAKHR Cables = 0.315 / 1.95 - 75 Ω Coaxial - FR-PVC.
- Approximate Cable Weight 475 Kg / Km
- Delivery Length 250 and 500 m (Other lengths can be arranged)

Electrical properties at 20 °C

- Max operating Temperature °C 75
- Characteristic Impedance (Nominal) Ω 75
- Velocity of Propagation (Nominal) % 66
- Capacitance (Nominal) pF/m 65
- DC Resistance (Maximum)
 - Inner conductor Ω/km 240
 - Outer conductor Ω/km 20

Application

- Suitable for Video Signaling, Digital Communication and Power Limited Applications.

Attenuation

MHz	1	4	17	70
dB/100m (Max)	2.3	4.5	9.2	18.7

Coaxial Cables

75Ω Coaxial Interconnection

Cable 0.405/1.95 FR-PVC

Cables Construction



- Consists of Bare Soft Annealed Copper conductor coated with Foamed Polyethylene dielectric, surrounded by two woven layers of Braided Tinned Copper wires and finally sheathed with Polyvinyl Chloride.

Cables Structure

- **Inner Conductor** Solid Copper Wire, Bare, Diameter 0.405 mm.
- **Insulation** Foamed Polyethylene, Diameter 1.95 mm.
- **Metallic screen** Two layers of Tinned Copper Braid, Optical Coverage 94 % and 87 %, Diameter Over Second Braid 2.75 mm.
- **Approximate Overall Diameter** 3.75 mm.
- **Single Coax Sheath** Flame Retardant PVC, Diameter 3.75 mm, Grey, RAL 7040.
- **Outer Sheath Material** Flame Retardant PVC.
- **Outer Sheath Color** Grey, (Other Colors available).
- **Outer Sheath Marking** = SAKHR Cables = 0.405 / 1.95 - 75 Ω Coaxial - FR-PVC.
- **Approximate Cable Weight** 25 Kg / Km.
- **Delivery Length** 250 and 500 m (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|------|-----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 75 |
| • Capacitance (Nominal) | pF/m | 65 |
| • DC Resistance (Maximum) | | |
| • Inner conductor | Ω/km | 150 |
| • Outer conductor | Ω/km | 20 |

Application

- Suitable for the Interconnection of Telecommunication Transmission Equipment.

Attenuation

MHz	1	4	17	70
dB/100m (Max)	2.3	4.5	9.2	18.7

Coaxial Cables

8 Way 75Ω Coaxial Interconnection

Cable 0.405/1.95 FR-PVC

Cables Construction



- The cable consists of eight 75 Ohm coaxial cables. Each individual miniature coaxial cable consists of a plain annealed copper inner conductor coated with foamed polyethylene dielectric, surrounded by two layers of braided copper wires and sheathed with polyvinyl chloride. The miniature coaxial cables are stranded and then sheathed overall with polyvinyl chloride. Low smoke zero halogen is also available.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Diameter 0.405 mm.
- Insulation Foamed Polyethylene, Diameter 1.95 mm.
- Metallic screen Two layers of Tinned Copper Braid, Optical Coverage 94 % and 87 %, Diameter Over Second Braid 2.75 mm.
- Approximate Overall Diameter 15.20 mm.
- Single Coax Sheath Flame Retardant PVC, Diameter 3.75 mm, Grey.
- Outer Sheath Material Flame Retardant PVC
- Outer Sheath Color Grey, (Other Colors available)
- Outer Sheath Marking = SAKHR Cables = 0.405 / 1.95 - 75 Ω Coaxial - FR-PVC.
- Approximate Cable Weight 270 Kg / Km
- Delivery Length 250 and 500 m (Other lengths can be arranged)

Electrical properties at 20 °C

- Max operating Temperature °C 75
- Characteristic Impedance (Nominal) Ω 75
- Velocity of Propagation (Nominal) % 75
- Capacitance (Nominal) pF/m 65
- DC Resistance (Maximum)
 - Inner conductor Ω/km 150
 - Outer conductor Ω/km 20

Application

- Suitable for the Interconnection of Telecommunication Transmission Equipment.

Attenuation

MHz	1	4	17	70
dB/100m (Max)	2.3	4.5	9.2	18.7

Coaxial Cables

16 Way 75Ω Coaxial Interconnection

Cable 0.405/1.95 FR-PVC



Cables Construction

- The cable consists of sixteen 75 Ohm coaxial cables. Each individual miniature coaxial cable consists of a plain annealed copper inner conductor coated with foamed polyethylene dielectric, surrounded by two layers of braided copper wires and sheathed with polyvinyl chloride. The miniature coaxial cables are stranded and then sheathed overall with polyvinyl chloride. Low smoke zero halogen is also available.

Cables Structure

- Inner Conductor Solid Copper Wire, Bare, Diameter 0.405 mm.
- Insulation Foamed Polyethylene, Diameter 1.95 mm.
- Metallic screen Two layers of Tinned Copper Braid, Optical Coverage 94 % and 87 %, Diameter Over Second Braid 2.75 mm.
- Approximate Overall Diameter 3.75 mm.
- Single Coax Sheath Flame Retardant PVC, Diameter 3.75 mm, Grey, RAL 7040.
- Outer Sheath Material Flame Retardant PVC.
- Outer Sheath Color Grey, (Other Colors available).
- Outer Sheath Marking = SAKHR Cables = 0.405 / 1.95 - 75 Ω Coaxial - FR-PVC.
- Approximate Cable Weight 25 Kg / Km.
- Delivery Length 250 and 500 m (Other lengths can be arranged)

Electrical properties at 20 °C

- | | | |
|--|------|-----|
| • Max operating Temperature | °C | 75 |
| • Characteristic Impedance (Nominal) | Ω | 75 |
| • Velocity of Propagation (Nominal) | % | 79 |
| • Capacitance (Nominal) | pF/m | 65 |
| • DC Resistance (Maximum) | | |
| • Inner conductor | Ω/km | 150 |
| • Outer conductor | Ω/km | 20 |

Application

- Suitable for the Interconnection of Telecommunication Transmission Equipment.

Attenuation

MHz	1	4	17	70
dB/100m (Max)	2.3	4.5	9.2	18.7