

ÖREN
KABLO

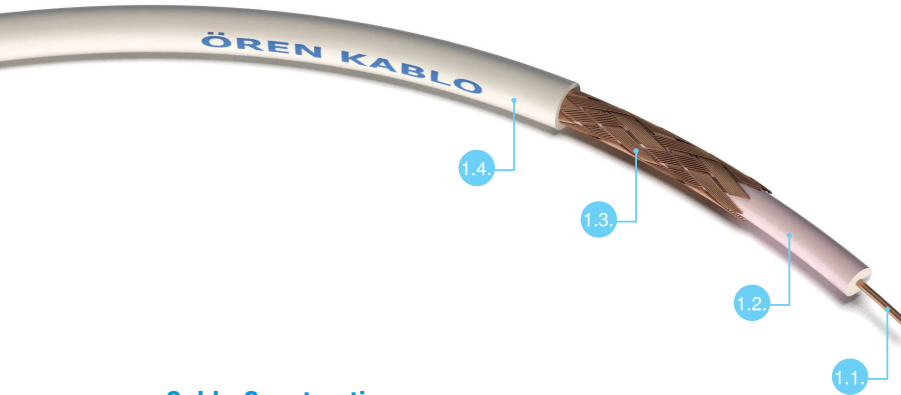


ÖREN KABLO

CCTV SURVEILLANCE CABLES



C 060 CCTV Coaxial Cable



Cable Construction

1. Coaxial Cable (C 060)

- 1.1. Inner Conductor : Ø 0.60 mm Bare Copper
- 1.2. Insulation : Ø 2.80 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (93% Coverage)
- 1.4. Outer Sheath : Ø 4.60 mm PVC or LSZH

Standard Packing

100m / 300m Reel

Application

These cables are used for video transmissions of CCTV applications.

Electrical Characteristics

Impedance

$75 \pm 3 \Omega$

Capacitance

$53 \pm 2 \text{ pF/m}$

Velocity of Propagation

82 %

Inner Conductor DCR

$64.90 \Omega/\text{km}$

Shielding DCR

$14.90 \Omega/\text{km}$

Attenuations

1 MHz	1.80 dB/100m
5 MHz	2.80 dB/100m
10 MHz	3.90 dB/100m
50 MHz	7.90 dB/100m
100 MHz	11.10 dB/100m
200 MHz	15.10 dB/100m
400 MHz	21.80 dB/100m
700 MHz	29.80 dB/100m
900 MHz	34.40 dB/100m
1000 MHz	36.00 dB/100m

C 080 CCTV Coaxial Cable



Cable Construction

1. Coaxial Cable (C 080)

- 1.1. Inner Conductor : Ø 0.81 mm Bare Copper
- 1.2. Insulation : Ø 3.55 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (94% Coverage)
- 1.4. Outer Sheath : Ø 5.50 mm PVC or LSZH

Standard Packing

300m / 500m Reel

Application

These cables are used for video transmissions of CCTV applications.

Electrical Characteristics

Impedance

$75 \pm 3 \Omega$

Capacitance

$53 \pm 2 \text{ pF/m}$

Velocity of Propagation

83 %

Inner Conductor DCR

$34.30 \Omega/\text{km}$

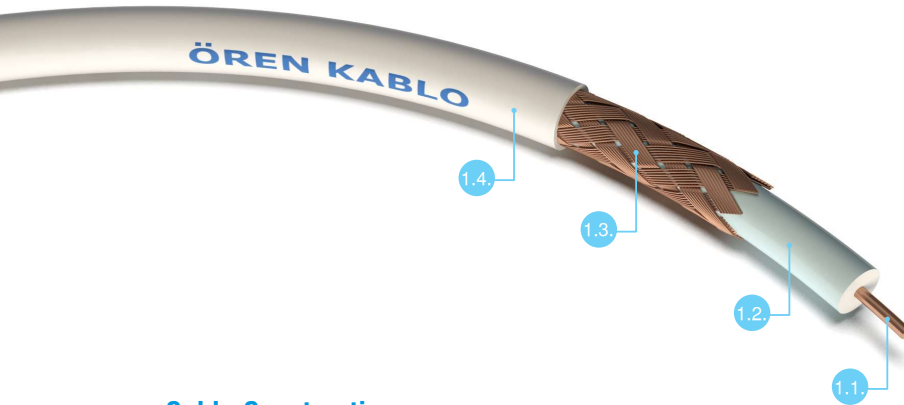
Shielding DCR

$11.50 \Omega/\text{km}$

Attenuations

1 MHz	1.40 dB/100m
5 MHz	1.90 dB/100m
10 MHz	2.60 dB/100m
50 MHz	5.80 dB/100m
100 MHz	8.20 dB/100m
200 MHz	11.30 dB/100m
400 MHz	16.90 dB/100m
700 MHz	22.10 dB/100m
900 MHz	25.90 dB/100m
1000 MHz	27.50 dB/100m

C 100 CCTV Coaxial Cable



Cable Construction

1. Coaxial Cable (C 100)

- 1.1. Inner Conductor : Ø 1.02 mm Bare Copper
- 1.2. Insulation : Ø 4.45 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (92% Coverage)
- 1.4. Outer Sheath : Ø 6.40 mm PVC or LSZH

Standard Packing

500m / 1000m Reel

Application

These cables are used for video transmissions of CCTV applications.

Electrical Characteristics

Impedance

$75 \pm 3 \Omega$

Capacitance

$53 \pm 2 \text{ pF/m}$

Velocity of Propagation

83 %

Inner Conductor DCR

$21.20 \Omega/\text{km}$

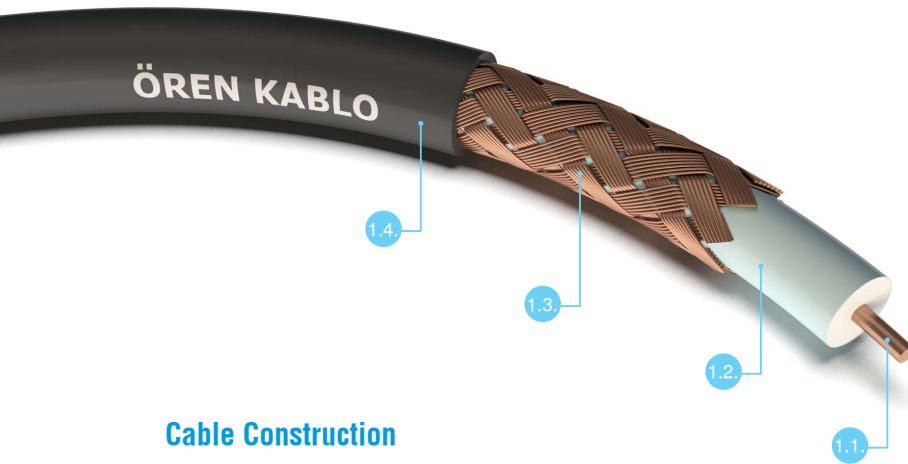
Shielding DCR

$9.70 \Omega/\text{km}$

Attenuations

1 MHz	1.20 dB/100m
5 MHz	1.60 dB/100m
10 MHz	2.10 dB/100m
50 MHz	4.90 dB/100m
100 MHz	6.60 dB/100m
200 MHz	9.00 dB/100m
400 MHz	13.80 dB/100m
700 MHz	18.10 dB/100m
900 MHz	21.30 dB/100m
1000 MHz	22.00 dB/100m

C 160 CCTV Coaxial Cable



Cable Construction

1. Coaxial Cable (C 100)

- 1.1. Inner Conductor : Ø 1.61 mm Bare Copper
- 1.2. Insulation : Ø 7.10 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (92% Coverage)
- 1.4. Outer Sheath : Ø 10.20 mm PVC or LSZH

Standard Packing

500m / 1000m Reel

Application

These cables are used for video transmissions of CCTV applications.

Electrical Characteristics

Impedance

75 ± 3 Ω

Capacitance

53 ± 2 pF/m

Velocity of Propagation

83 %

Inner Conductor DCR

8.60 Ω/km

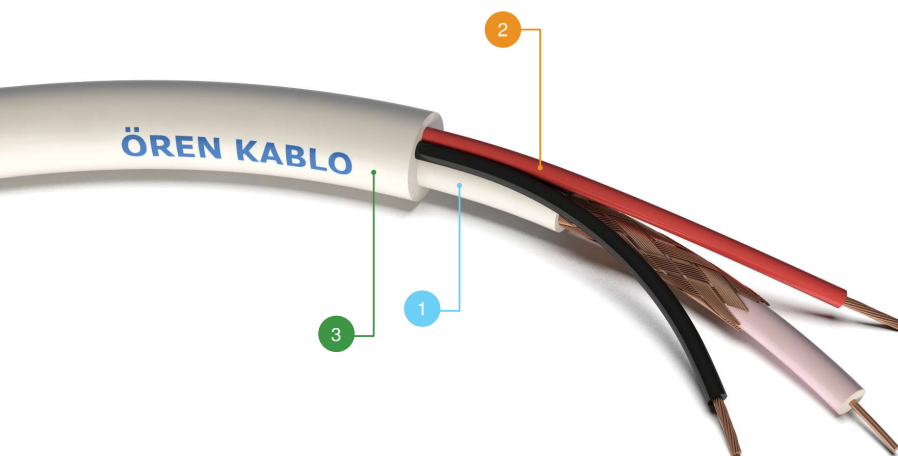
Shielding DCR

7.80 Ω/km

Attenuations

1 MHz	0.90 dB/100m
5 MHz	1.20 dB/100m
10 MHz	1.80 dB/100m
50 MHz	3.60 dB/100m
100 MHz	4.10 dB/100m
200 MHz	6.60 dB/100m
400 MHz	9.70 dB/100m
700 MHz	12.80 dB/100m
900 MHz	13.50 dB/100m
1000 MHz	14.40 dB/100m

CC 060 Type Composite Cables



Application

These cables are used for transmitting; video plus power or voice signals on CCTV applications.

Cable Construction

1. Coaxial Cable (C 060)

- 1.1. Inner Conductor : Ø 0.60 mm Bare Copper
- 1.2. Insulation : Ø 2.80 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (93% Coverage)
- 1.4. Inner Sheath : Ø 4.60 mm PVC or LSZH

2. Power Cores

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH

3. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

100m / 300m Reel

Electrical Characteristics

Impedance

75 ± 3 Ω

Capacitance

53 ± 2 pF/m

Velocity of Propagation

82 %

Inner Conductor DCR

64.90 Ω/km

Shielding DCR

14.90 Ω/km

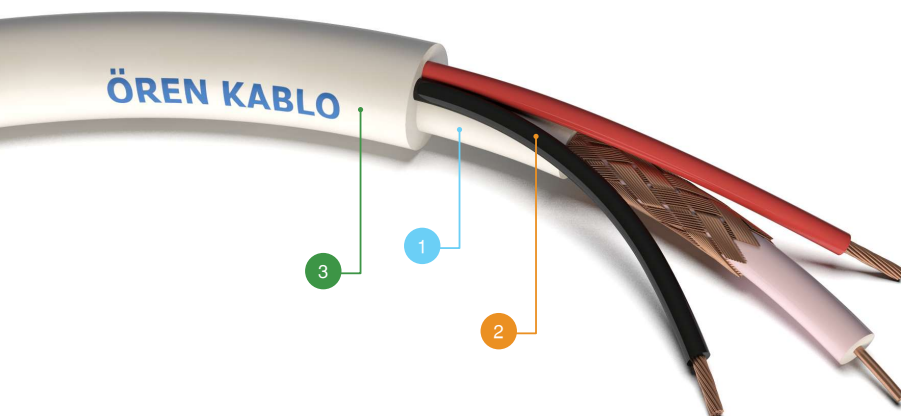
Attenuations

1 MHz	1.80 dB/100m
5 MHz	2.80 dB/100m
10 MHz	3.90 dB/100m
50 MHz	7.90 dB/100m
100 MHz	11.10 dB/100m
200 MHz	15.10 dB/100m
400 MHz	21.80 dB/100m
700 MHz	29.80 dB/100m
900 MHz	34.40 dB/100m
1000 MHz	36.00 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.50	38.90
0.75	26.00

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
CC 060-2050	C060 + 2x0.50	8.60	101
CC 060-2075	C060 + 2x0.75	8.80	106

CC 080 Type Composite Cables



Cable Construction

1. Coaxial Cable (C 080)

- 1.1. Inner Conductor : Ø 0.81 mm Bare Copper
- 1.2. Insulation : Ø 3.55 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (94% Coverage)
- 1.4. Inner Sheath : Ø 5.50 mm PVC or LSZH

2. Power Cores

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH

3. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

300m / 500m Reel

Application

These cables are used for transmitting; video plus power or voice signals on CCTV applications.

Electrical Characteristics

Impedance

75 ± 3 Ω

Capacitance

53 ± 2 pF/m

Velocity of Propagation

83 %

Inner Conductor DCR

34.30 Ω/km

Shielding DCR

11.50 Ω/km

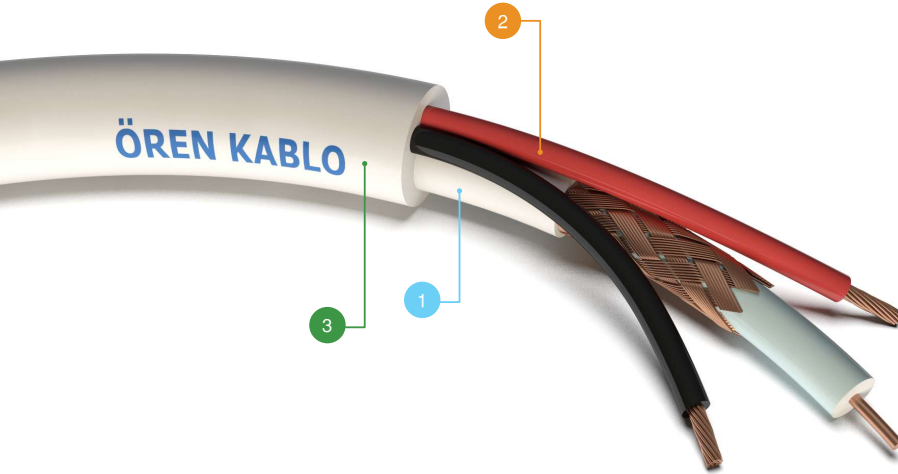
Attenuations

1 MHz	1.40 dB/100m
5 MHz	1.90 dB/100m
10 MHz	2.60 dB/100m
50 MHz	5.80 dB/100m
100 MHz	8.20 dB/100m
200 MHz	11.30 dB/100m
400 MHz	16.90 dB/100m
700 MHz	22.10 dB/100m
900 MHz	25.90 dB/100m
1000 MHz	27.50 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.50	38.90
0.75	26.00
1.00	19.50

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
CC 080-2050	C080 + 2x0.50	9.60	126
CC 080-2075	C080 + 2x0.75	10.00	134
CC 080-2100	C080 + 2x1.00	10.30	142

CC 100 Type CCTV Cables



Application

These cables are used for transmitting; video plus power or voice signals on CCTV applications.

Cable Construction

1. Coaxial Cable (C 100)

- 1.1. Inner Conductor : Ø 1.02 mm Bare Copper
- 1.2. Insulation : Ø 4.45 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (92% Coverage)
- 1.4. Inner Sheath : Ø 6.40 mm PVC or LSZH

2. Power Cores

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH

3. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

500m / 1000m Reel

Electrical Characteristics

Impedance

75 ± 3 Ω

Capacitance

53 ± 2 pF/m

Velocity of Propagation

83 %

Inner Conductor DCR

21.20 Ω/km

Shielding DCR

9.70 Ω/km

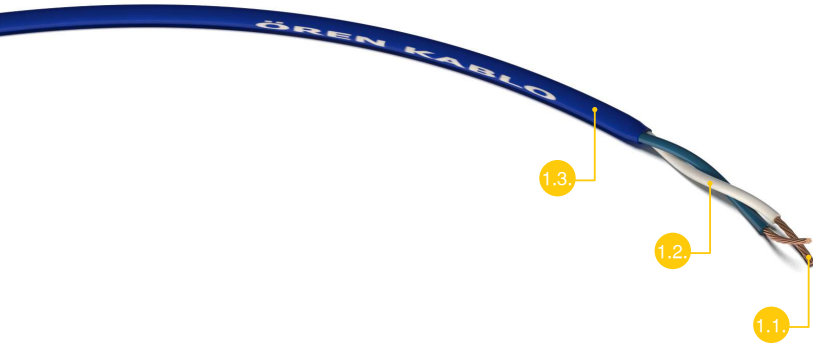
Attenuations

1 MHz	1.20 dB/100m
5 MHz	1.60 dB/100m
10 MHz	2.10 dB/100m
50 MHz	4.90 dB/100m
100 MHz	6.60 dB/100m
200 MHz	9.00 dB/100m
400 MHz	13.80 dB/100m
700 MHz	18.10 dB/100m
900 MHz	21.30 dB/100m
1000 MHz	22.00 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
1.00	19.50
1.50	13.30

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
CC 100-2100	C100 + 2x1.00	11.30	163
CC 100-2150	C100 + 2x1.50	11.70	187

UTP Type Data Cable for RS-485 Applications



Application

Low capacitance computer cable for RS-485 applications. This cable is suitable for controlling the PTZ features of CCTV cameras.

Cable Construction

1. Low Capacitance Computer Cable for RS-485 Applications

- 1.1. Inner Conductor : Class 2 annealed copper conductors
- 1.2. Insulation : PE
- 1.3. Outer Sheath : PVC or LSZH

Standard Packing

100m / 300m Reel

Electrical Characteristics

Nominal Impedance

$100 \pm 5 \Omega$

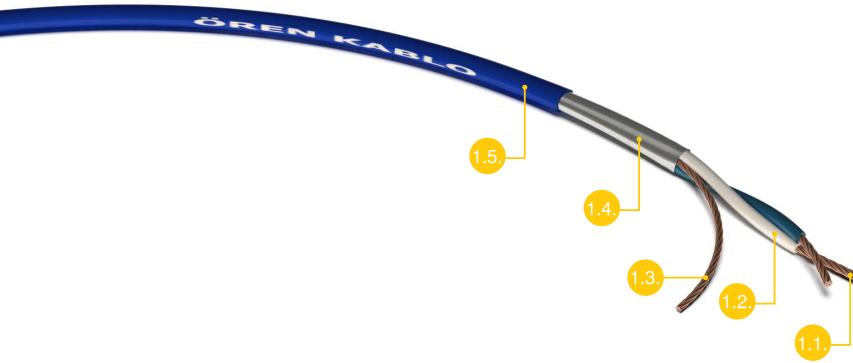
Nominal Capacitance

$55 \pm 3 \text{ pF/m}$

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.22	96.00
0.34	53.00

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
U 22	2x0.22	2.70	9
U 34	2x0.34	3.00	13

STP Type Data Cable for RS-485 Applications



Application

Low capacitance computer cable for RS-485 applications. This cable is suitable for controlling the PTZ features of CCTV cameras.

Cable Construction

1. Low Capacitance Computer Cable for RS-485 Applications

- 1.1. Inner Conductor : Class 2 annealed copper conductors
- 1.2. Insulation : PE
- 1.3. Drain Wire : Class 2 annealed copper conductor
- 1.4. Shielding : Aluminum foil
- 1.5. Outer Sheath : PVC or LSZH

Standard Packing

100m / 300m / 500m Reel

Electrical Characteristics

Nominal Impedance

$100 \pm 5 \Omega$

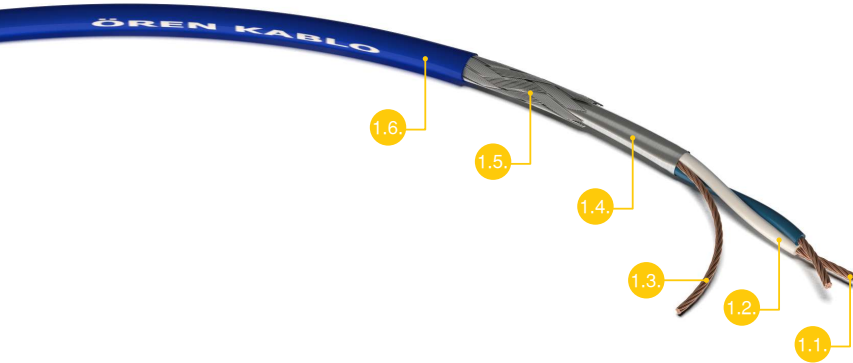
Nominal Capacitance

$55 \pm 3 \text{ pF/m}$

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.22	96.00
0.34	53.00

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
S 22	2x0.22	2.70	12
S 34	2x0.34	3.00	16

FSTP Type Data Cable for RS-485 Applications



Application

Low capacitance computer cable for RS-485 applications. These cables with copper screening are ideally suitable for interference free control over the PTZ features of CCTV cameras.

Cable Construction

1. Low Capacitance Computer Cable for RS-485 Applications

- 1.1. Inner Conductor : Class 2 annealed copper conductors
- 1.2. Insulation : PE
- 1.3. Drain Wire : Class 2 annealed copper conductor
- 1.4. 1st Shielding : Aluminum foil
- 1.5. 2nd Shielding : Tinned copper wire braiding (92% Coverage)
- 1.6. Outer Sheath : PVC or LSZH

Standard Packing

300m / 500m / 1000m Reel

Electrical Characteristics

Nominal Impedance

$100 \pm 5 \Omega$

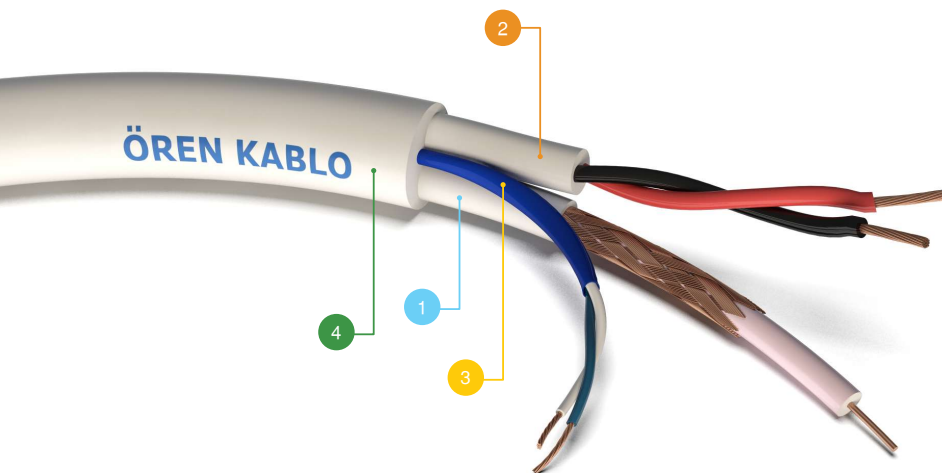
Nominal Capacitance

$55 \pm 3 \text{ pF/m}$

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.22	96.00
0.34	53.00

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
FS 22	2x0.22	3.20	24
FS 34	2x0.34	3.60	28

PTZ 060 Type Composite Cables



Application

These composite cables are used for Video, Power and PTZ (Pin/Tilt/Zoom) control applications.

Cable Construction

1. Coaxial Cable (C 060)

- 1.1. Inner Conductor : Ø 0.60 mm Bare Copper
- 1.2. Insulation : Ø 2.80 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (93% Coverage)
- 1.4. Inner Sheath : Ø 4.60 mm PVC or LSZH

2. Power Cable

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH
- 2.3. Inner Sheath : PVC or LSZH

3. Low Capacitance Computer Cable for RS-485 Applications

- 3.1. Inner Conductor : Class 2 annealed copper conductors
- 3.2. Insulation : PE
- 3.3. Inner Sheath : PVC or LSZH

4. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

100m / 300m Reel

Electrical Characteristics

Impedance

75 ± 3 Ω

Capacitance

53 ± 2 pF/m

Velocity of Propagation

82 %

Inner Conductor DCR

64.90 Ω/km

Shielding DCR

14.90 Ω/km

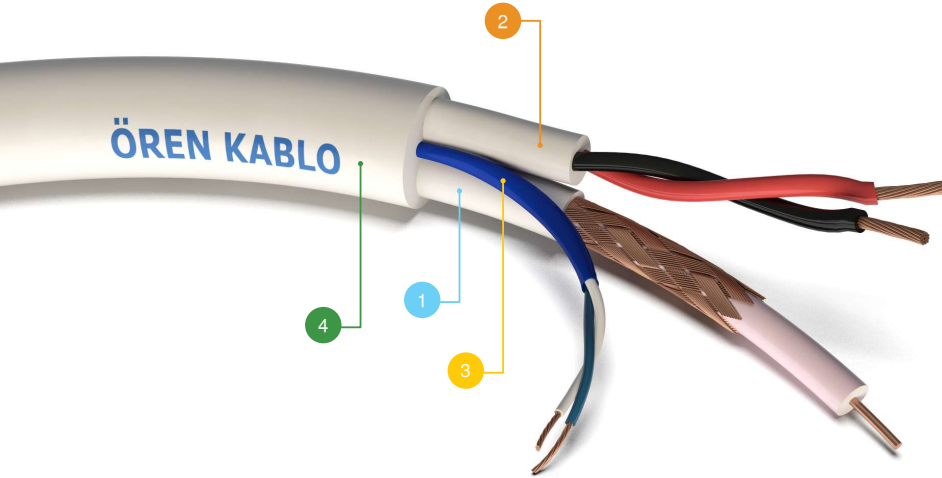
Attenuations

1 MHz	1.80 dB/100m
5 MHz	2.80 dB/100m
10 MHz	3.90 dB/100m
50 MHz	7.90 dB/100m
100 MHz	11.10 dB/100m
200 MHz	15.10 dB/100m
400 MHz	21.80 dB/100m
700 MHz	29.80 dB/100m
900 MHz	34.40 dB/100m
1000 MHz	36.00 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.22	96.00
0.50	38.90
0.75	26.00

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
PTZ 060-2050-UTP22	C060 + 2x0.50 + UTP 2x0.22	11.20	150
PTZ 060-2075-UTP22	C060 + 2x0.75 + UTP 2x0.22	11.70	170

PTZ 080 Type Composite Cables



Cable Construction

1. Coaxial Cable (C 080)

- 1.1. Inner Conductor : Ø 0.81 mm Bare Copper
- 1.2. Insulation : Ø 3.55 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (94% Coverage)
- 1.4. Inner Sheath : Ø 5.50 mm PVC or LSZH

2. Power Cable

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH
- 2.3. Inner Sheath : PVC or LSZH

3. Low Capacitance Computer Cable for RS-485 Applications

- 3.1. Inner Conductor : Class 2 annealed copper conductors
- 3.2. Insulation : PE
- 3.3. Inner Sheath : PVC or LSZH

4. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

300m / 500m Reel

Application

These composite cables are used for Video, Power and PTZ (Pin/Tilt/Zoom) control applications.

Electrical Characteristics

Impedance
75 ± 3 Ω

Capacitance
53 ± 2 pF/m

Velocity of Propagation
83 %

Inner Conductor DCR
34.30 Ω/km

Shielding DCR
11.50 Ω/km

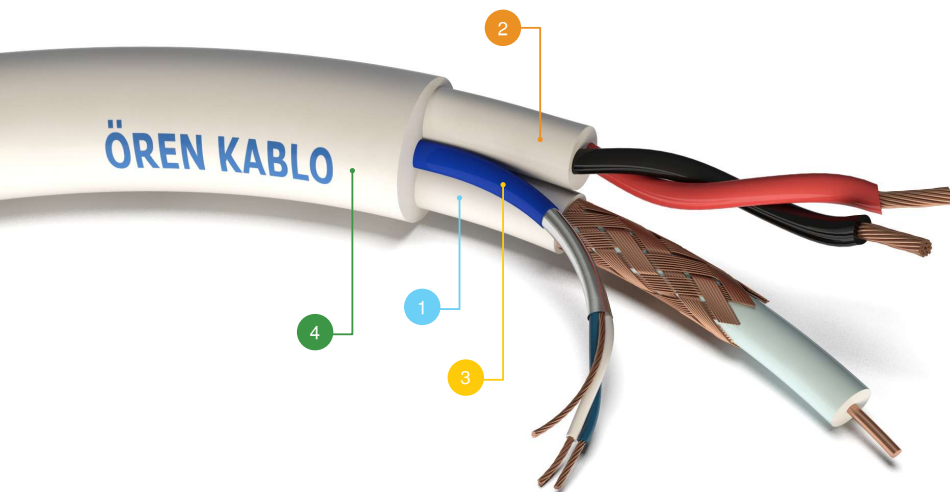
Attenuations

1 MHz	1.40 dB/100m
5 MHz	1.90 dB/100m
10 MHz	2.60 dB/100m
50 MHz	5.80 dB/100m
100 MHz	8.20 dB/100m
200 MHz	11.30 dB/100m
400 MHz	16.90 dB/100m
700 MHz	22.10 dB/100m
900 MHz	25.90 dB/100m
1000 MHz	27.50 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.22	96.00
0.75	26.00
1.00	19.50

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
PTZ 080-2075-U22	C080 + 2x0.75 + UTP 2x0.22	12.80	205
PTZ 080-2100-U22	C080 + 2x1.00 + UTP 2x0.22	13.00	220

PTZ 100 Type Composite Cables



Cable Construction

1. Coaxial Cable (C 100)

- 1.1. Inner Conductor : Ø 1.02 mm Bare Copper
- 1.2. Insulation : Ø 4.45 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (92% Coverage)
- 1.4. Inner Sheath : Ø 6.40 mm PVC or LSZH

2. Power Cable

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH
- 2.3. Inner Sheath : PVC or LSZH

3. Low Capacitance Computer Cable for RS-485 Applications

- 3.1. Inner Conductor : Class 2 annealed copper conductors
- 3.2. Insulation : PE
- 3.3. Drain Wire : Class 2 annealed copper conductor
- 3.4. Shielding : Aluminum foil
- 3.5. Inner Sheath : PVC or LSZH

4. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

500m / 1000m Reel

Application

These composite cables are used for Video, Power and PTZ (Pin/Tilt/Zoom) control applications.

Electrical Characteristics

Impedance

75 ± 3 Ω

Capacitance

53 ± 2 pF/m

Velocity of Propagation

83 %

Inner Conductor DCR

21.20 Ω/km

Shielding DCR

9.70 Ω/km

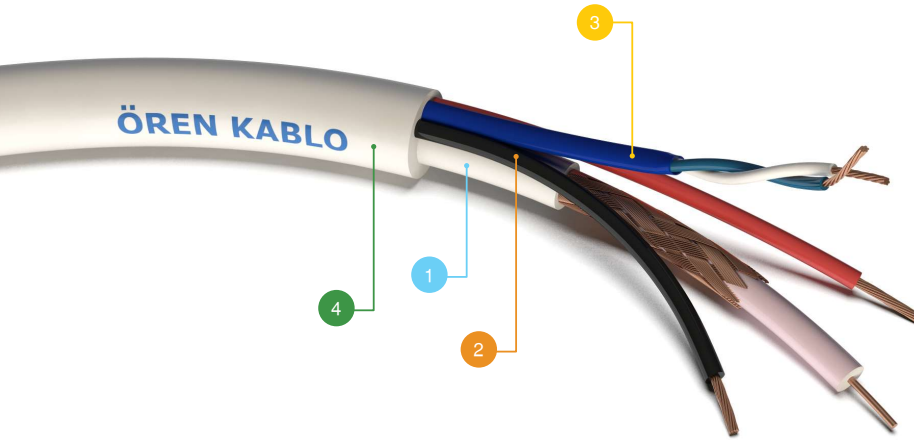
Attenuations

1 MHz	1.20 dB/100m
5 MHz	1.60 dB/100m
10 MHz	2.10 dB/100m
50 MHz	4.90 dB/100m
100 MHz	6.60 dB/100m
200 MHz	9.00 dB/100m
400 MHz	13.80 dB/100m
700 MHz	18.10 dB/100m
900 MHz	21.30 dB/100m
1000 MHz	22.00 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.34	53.00
1.00	19.50
1.50	13.30

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
PTZ 100-2100-S34	C100 + 2x1.00 + STP 2x0.34	13.90	245
PTZ 100-2150-S34	C100 + 2x1.50 + STP 2x0.34	15.20	290

VPC 060 Type Composite Cables



Application

These composite cables are used for Video, Power and PTZ (Pin/Tilt/Zoom) control applications.

Cable Construction

1. Coaxial Cable (C 060)

- 1.1. Inner Conductor : Ø 0.60 mm Bare Copper
- 1.2. Insulation : Ø 2.80 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (93% Coverage)
- 1.4. Inner Sheath : Ø 4.60 mm PVC or LSZH

2. Power Cores

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH

3. Low Capacitance Computer Cable for RS-485 Applications

- 3.1. Inner Conductor : Class 2 annealed copper conductors
- 3.2. Insulation : PE
- 3.3. Inner Sheath : PVC or LSZH

4. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

100m / 300m Reel

Electrical Characteristics

Impedance
75 ± 3 Ω

Capacitance
53 ± 2 pF/m

Velocity of Propagation
82 %

Inner Conductor DCR
64.90 Ω/km

Shielding DCR
14.90 Ω/km

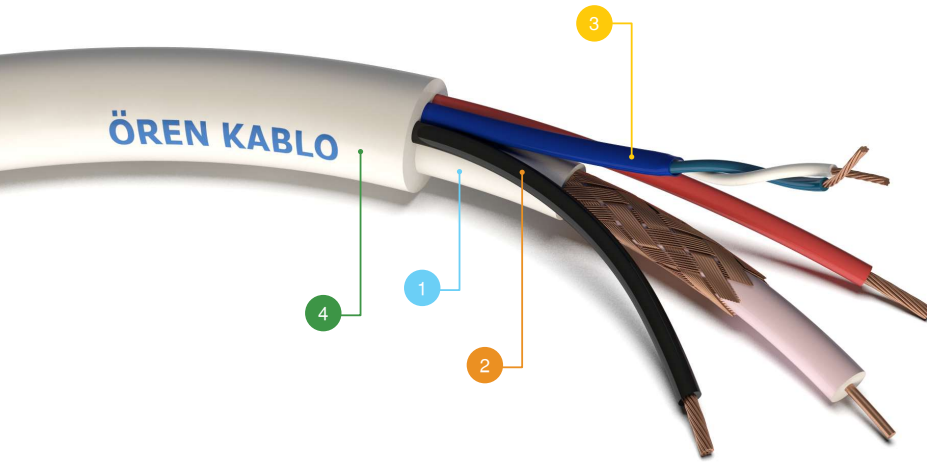
Attenuations

1 MHz	1.80 dB/100m
5 MHz	2.80 dB/100m
10 MHz	3.90 dB/100m
50 MHz	7.90 dB/100m
100 MHz	11.10 dB/100m
200 MHz	15.10 dB/100m
400 MHz	21.80 dB/100m
700 MHz	29.80 dB/100m
900 MHz	34.40 dB/100m
1000 MHz	36.00 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.22	96.00
0.50	38.90
0.75	26.00

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
VPC 060-2050-UTP22	C060 + 2x0.50 + UTP 2x0.22	9.60	120
VPC 060-2075-UTP22	C060 + 2x0.75 + UTP 2x0.22	10.00	134

VPC 080 Type Composite Cables



Application

These composite cables are used for Video, Power and PTZ (Pin/Tilt/Zoom) control applications.

Cable Construction

1. Coaxial Cable (C 080)

- 1.1. Inner Conductor : Ø 0.81 mm Bare Copper
- 1.2. Insulation : Ø 3.55 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (94% Coverage)
- 1.4. Inner Sheath : Ø 5.50 mm PVC or LSZH

2. Power Cores

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH

3. Low Capacitance Computer Cable for RS-485 Applications

- 3.1. Inner Conductor : Class 2 annealed copper conductors
- 3.2. Insulation : PE
- 3.3. Inner Sheath : PVC or LSZH

4. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

300m / 500m Reel

Electrical Characteristics

Impedance
75 ± 3 Ω

Capacitance
53 ± 2 pF/m

Velocity of Propagation
83 %

Inner Conductor DCR
34.30 Ω/km

Shielding DCR
11.50 Ω/km

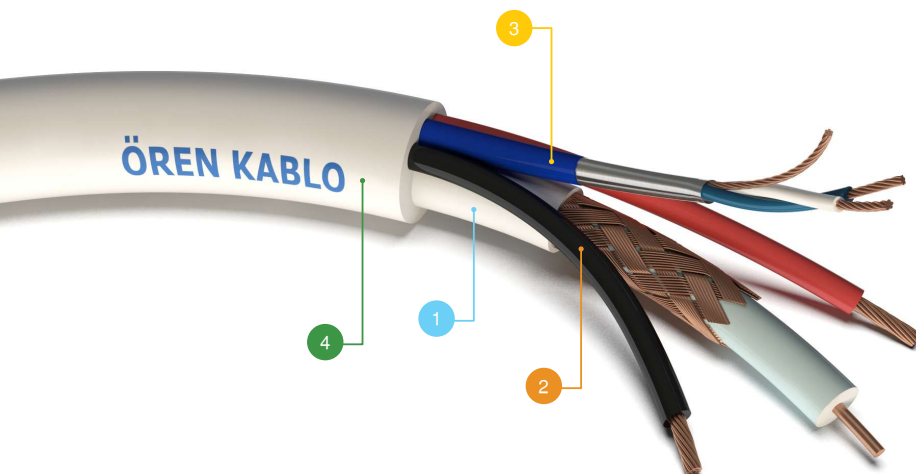
Attenuations

1 MHz	1.40 dB/100m
5 MHz	1.90 dB/100m
10 MHz	2.60 dB/100m
50 MHz	5.80 dB/100m
100 MHz	8.20 dB/100m
200 MHz	11.30 dB/100m
400 MHz	16.90 dB/100m
700 MHz	22.10 dB/100m
900 MHz	25.90 dB/100m
1000 MHz	27.50 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.22	96.00
0.75	26.00
1.00	19.50

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
VPC 080-2075-U22	C080 + 2x0.75 + UTP 2x0.22	10.80	165
VPC 080-2100-U22	C080 + 2x1.00 + UTP 2x0.22	11.00	175

VPC 100 Type Composite Cables



Application

These composite cables are used for Video, Power and PTZ (Pin/Tilt/Zoom) control applications.

Cable Construction

1. Coaxial Cable (C 100)

- 1.1. Inner Conductor : Ø 1.02 mm Bare Copper
- 1.2. Insulation : Ø 4.45 mm Gas-injected Foam PE (S/F/S)
- 1.3. Shielding : Tinned Copper Wire Braiding (92% Coverage)
- 1.4. Inner Sheath : Ø 6.40 mm PVC or LSZH

2. Power Cores

- 2.1. Inner Conductor : Class 5 annealed copper conductors
- 2.2. Insulation : PVC or LSZH

3. Low Capacitance Computer Cable for RS-485 Applications

- 3.1. Inner Conductor : Class 2 annealed copper conductors
- 3.2. Insulation : PE
- 3.3. Drain Wire : Class 2 annealed copper conductor
- 3.4. Shielding : Aluminum foil
- 3.5. Inner Sheath : PVC or LSZH

4. Overall Outer Sheath

- 4.1. PVC or LSZH

Standard Packing

500m / 1000m Reel

Electrical Characteristics

Impedance
75 ± 3 Ω

Capacitance
53 ± 2 pF/m

Velocity of Propagation
83 %

Inner Conductor DCR
21.20 Ω/km

Shielding DCR
9.70 Ω/km

Attenuations

1 MHz	1.20 dB/100m
5 MHz	1.60 dB/100m
10 MHz	2.10 dB/100m
50 MHz	4.90 dB/100m
100 MHz	6.60 dB/100m
200 MHz	9.00 dB/100m
400 MHz	13.80 dB/100m
700 MHz	18.10 dB/100m
900 MHz	21.30 dB/100m
1000 MHz	22.00 dB/100m

Cross Section (mm ²)	Max. Conductor DC Resistance @ 20°C (ohm/km)
0.34	53.00
1.00	19.50
1.50	13.30

Cable Type	No. of Cores x Cross Section (mm ²)	Overall Diameter (mm)	Approx. Weight (kg/km)
VPC 100-2100-S34	C100 + 2x1.00 + STP 2x0.34	12.00	205
VPC 100-2150-S34	C100 + 2x1.50 + STP 2x0.34	12.40	232



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