



Defence Standard Cables

www.barankablo.com.tr



Environmental and Human Life

Our production processes are conducted with full adherence to environmental and human life considerations, in strict compliance with ISO 14001:2015 for Environmental Management and ISO 45001:2018 for Occupational Health and Safety.

Quality

Dependable and High-Quality Production in Compliance with ISO 9001:2015 Quality Management Systems, CPR and UKCA Regulations

Logistic

Consistent and Timely Deliveries to 42 Countries

Production

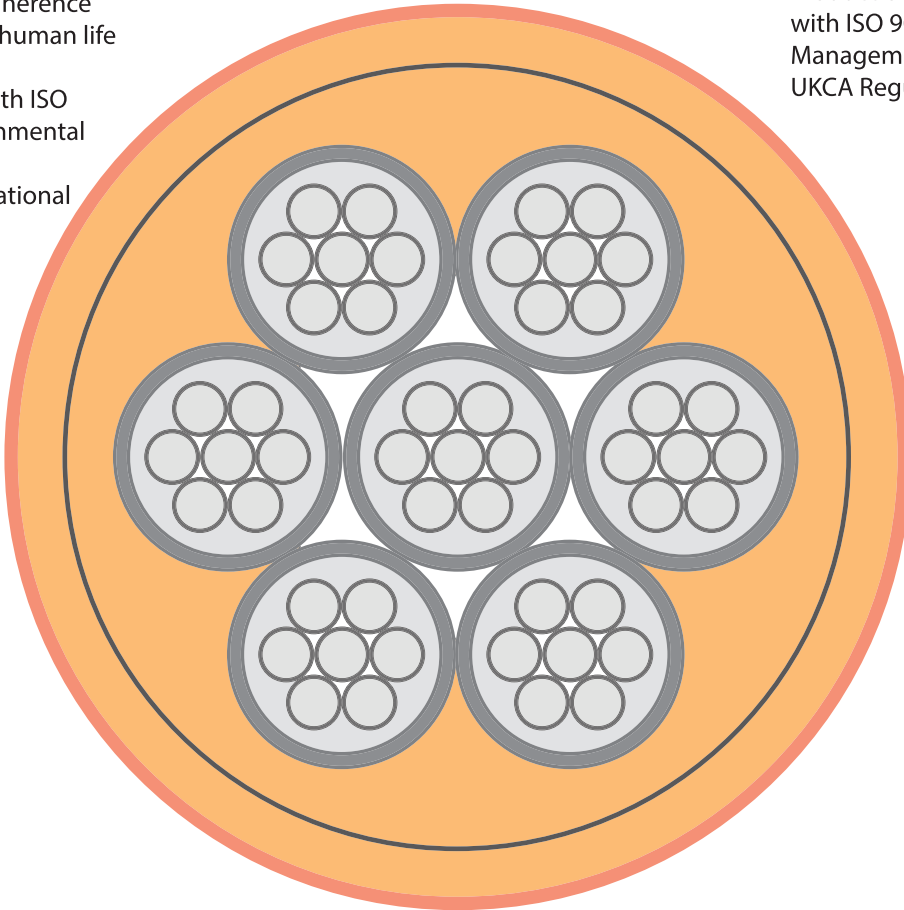
Innovative and Effective Solutions Through Ongoing Research and Development Activities

Production

State-of-the-Art Manufacturing Technology Utilizing the Most Reliable and Advanced Equipment

Products

A Comprehensive Range of Low Voltage Cable Solutions to Meet Industry Requirements





Baran Kablo: Special Cable Manufacturer of Europe
Founded in 2004 and based in Turkey, Baran Kablo is a leading manufacturer of low voltage cables, plugs, sockets, and plastic components in Europe.

Our extensive range of low voltage cables includes:

- Signal/Control Cables (PVC, PUR, HFFR, etc.)
- Robotic and Drag Chain Cables
- Fire Alarm/Sensor Cables
- Instrumentation Cables
- Defence Standard Cables
- Shipboard Cables
- Speaker and Microphone Cables
- Spiral Cables
- Custom Design Cables
- Special PUR Cables
- Fabric Cables

Our production takes place in a fully integrated plant covering 6,000 m². We utilize the latest technologies, state-of-the-art machinery, and modern methods, all under the supervision of skilled and experienced personnel, ensuring top-quality products.

Our primary customers include cable distributors, the robotics industry, white and brown goods manufacturers, and the automation and lighting sectors. We hold certifications including ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018, and our cables are CPR and UKCA approved. All our products comply with REACH and RoHS regulations.

At Baran Kablo, we achieve high quality standards and reliable delivery schedules through the expertise of our well-trained staff in all departments. Our core operating principles are:

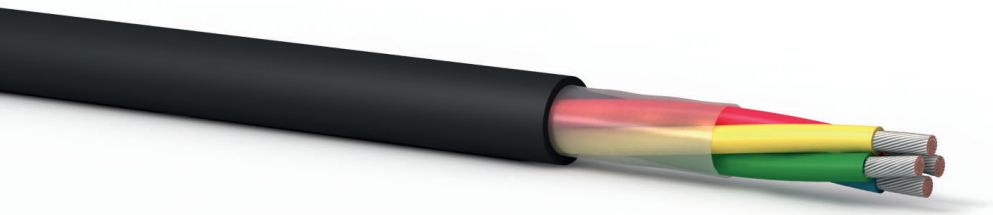
- Innovation and Leadership in Technology
- Continuous Improvement
- Public Responsibility
- Total Customer Satisfaction
- Growth and Profitability
- Cost Efficiency

These principles guide our operations and define our products and services. Success in the market is achieved through our strong relationships with customers, suppliers, and employees, as well as our commitment to building effective connections with the public.

We are committed to maintaining our leadership position in the electromechanical industry by continually developing innovative products and services. Our dedication to excellence ensures customer satisfaction and loyalty.

We foster the development of our employees by creating a supportive and respectful work environment, rewarding success, and sharing responsibilities.

We believe in establishing long-term, fair, ethical, and integrative relationships with our customers, suppliers, and employees based on mutual benefit



Def Stan 61-12 TYPE A PVC

Application Area

Flexible cable originally used in military equipment and vehicles, but now widely used within industry for high density wiring between components and electronic equipment.

Cable Construction

Conductor	Tinned Annealed Stranded Copper Wires
Insulation	PVC Compound
Core Colours	Coloured acc. to Gen. To DEF-STAN 61-12 Part 5 see Technical Information Page
Core Stranding	Cores Stranded in Layer with Optimum Lay Length
Seperator Tape	Polyster Tape
Outer Sheath	PVC Compound
Sheath Colour	Black (RAL 9005) and other colours on request.

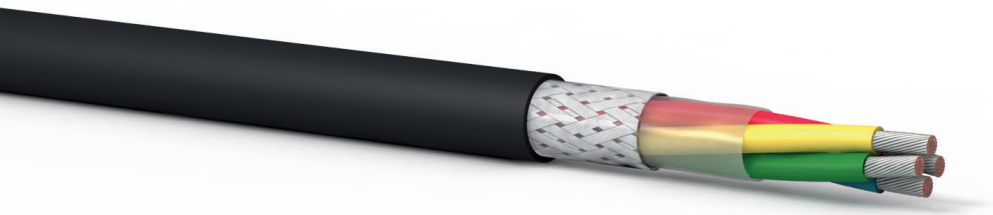
Technical Characteristics

Rated Voltage	440 V
Test Voltage	2000 V
Temperature Range	-20 to +70 °C
Reference Standard	Gen. to DEF-STAN 61-12 Part 5
Min Bending Radius	8 x D mm
Flame Retardancy	IEC/EN 60332-1-2

Cross Sectional Area mm ²	Max. Resistance of Conductor Ω/km
0,22	96
0,5	40,1
0,75	26,7

Def Stan 61-12 TYPE A PVC

Product Code	No. of cores x cross sectional area (n x mm ²)	Insulation Diameter (± 5% mm)	Nominal Diameter (± 5% mm)	Nominal Weight (≈ kg/km)
7-2-2A	2x0,22	1,2	3,5	14
7-2-3A	3x0,22	1,2	3,7	18
7-2-4A	4x0,22	1,2	4,0	22
7-2-6A	6x0,22	1,2	4,7	32
7-2-8A	8x0,22	1,2	5,3	46
7-2-12A	12x0,22	1,2	6,3	55
7-2-18A	18x0,22	1,2	7,5	81
7-2-25A	25x0,22	1,2	9,0	112
16-2-2A	2x0,50	1,85	5,6	37
16-2-3A	3x0,50	1,85	5,9	46
16-2-4A	4x0,50	1,85	6,4	55
16-2-6A	6x0,50	1,85	7,5	81
16-2-8A	8x0,50	1,85	8,0	107
16-2-12A	12x0,50	1,85	9,6	131
16-2-18A	18x0,50	1,85	11,4	195
16-2-25A	25x0,50	1,85	13,5	254
24-2-2A	2x0,75	2,05	6,2	46
24-2-4A	4x0,75	2,05	7,0	70
24-2-6A	6x0,75	2,05	8,2	102
24-2-8A	8x0,75	2,05	8,7	134
24-2-12A	12x0,75	2,05	10,6	170
24-2-18A	18x0,75	2,05	12,3	245



Def Stan 61-12 TYPE C PVC

Application Area

Flexible cable originally used in military equipment and vehicles, but now widely used within industry for high density wiring between components and electronic equipment.

Cable Construction

Conductor	Tinned Annealed Stranded Copper Wires
Insulation	PVC Compound
Core Colours	Coloured acc. to Gen. To DEF-STAN 61-12 Part 5 see Technical Information Page
Core Stranding	Cores Stranded in Layer with Optimum Lay Length
Seperator Tape	Polyster Tape
Screen	Tinned Copper Wire Braid
Outer Sheath	PVC Compound
Sheath Colour	Black (RAL 9005) and other colours on request.

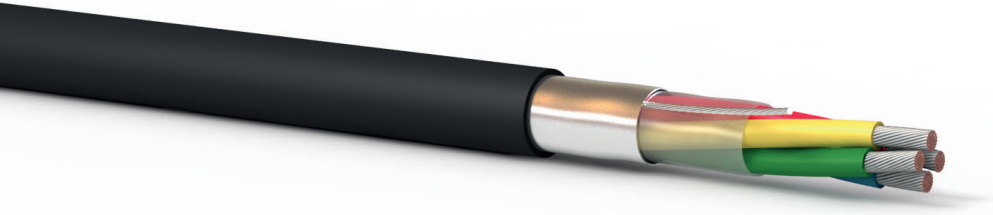
Technical Characteristics

Rated Voltage	440 V
Test Voltage	2000 V
Temperature Range	-20 to +70 °C
Reference Standard	Gen. to DEF-STAN 61-12 Part 5
Min Bending Radius	10 x D mm
Flame Retardancy	IEC/EN 60332-1-2

Cross Sectional Area mm ²	Max. Resistance of Conductor Ω/km
0,22	96
0,5	40,1
0,75	26,7

Def Stan 61-12 TYPE C PVC

Product Code	No. of cores x cross sectional area (n x mm ²)	Insulation Diameter (± 5% mm)	Nominal Diameter (± 5% mm)	Nominal Weight (≈ kg/km)
7-2-2C	2x0,22	1,2	4,0	22
7-2-3C	3x0,22	1,2	4,1	25
7-2-4C	4x0,22	1,2	4,4	30
7-2-6C	6x0,22	1,2	5,4	45
7-2-8C	8x0,22	1,2	5,7	57
7-2-12C	12x0,22	1,2	6,8	71
7-2-18C	18x0,22	1,2	8,0	100
7-2-25C	25x0,22	1,2	9,5	136
16-2-2C	2x0,50	1,85	6,1	50
16-2-3C	3x0,50	1,85	6,4	59
16-2-4C	4x0,50	1,85	6,8	69
16-2-6C	6x0,50	1,85	7,9	97
16-2-8C	8x0,50	1,85	8,5	125
16-2-12C	12x0,50	1,85	10,2	158
16-2-18C	18x0,50	1,85	12,0	226
16-2-25C	25x0,50	1,85	14,1	297
24-2-2C	2x0,75	2,05	6,6	59
24-2-4C	4x0,75	2,05	7,4	85
24-2-6C	6x0,75	2,05	8,6	121
24-2-8C	8x0,75	2,05	9,1	153
24-2-12C	12x0,75	2,05	11,0	194
24-2-18C	18x0,75	2,05	12,9	285



Def Stan 61-12 TYPE S PVC

Application Area

Flexible cable originally used in military equipment and vehicles, but now widely used within industry for high density wiring between components and electronic equipment.

Cable Construction

Conductor	Tinned Annealed Stranded Copper Wires
Insulation	PVC Compound
Core Colours	Coloured acc. to Gen. To DEF-STAN 61-12 Part 5 see Technical Information Page
Core Stranding	Cores Stranded in Layer with Optimum Lay Length
Seperator Tape	Polyster Tape
Screen	Aluminium Polyster Tape With Tinned Copper Drain Wire
Outer Sheath	PVC Compound
Sheath Colour	Black (RAL 9005) and other colours on request.

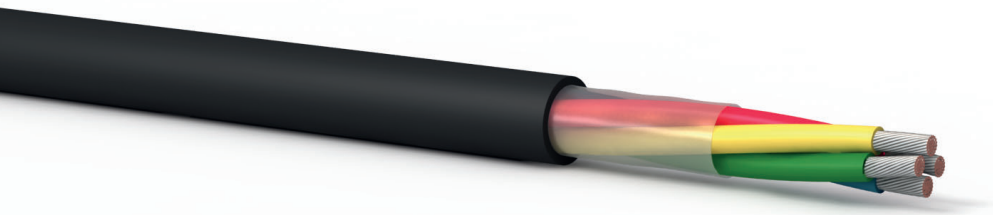
Technical Characteristics

Rated Voltage	440 V
Test Voltage	2000 V
Temperature Range	-20 to +70 °C
Reference Standard	Gen. to DEF-STAN 61-12 Part 5
Min Bending Radius	12 x D mm
Flame Retardancy	IEC/EN 60332-1-2

Cross Sectional Area mm ²	Max. Resistance of Conductor Ω/km
0,22	96
0,5	40,1
0,75	26,7

Def Stan 61-12 TYPE S PVC

Product Code	No. of cores x cross sectional area (n x mm ²)	Insulation Diameter (± 5% mm)	Nominal Diameter (± 5% mm)	Nominal Weight (≈ kg/km)
7-2-2S	2x0,22	1,2	3,5	16
7-2-3S	3x0,22	1,2	3,6	19
7-2-4S	4x0,22	1,2	3,9	23
7-2-5S	5x0,22	1,2	4,5	30
7-2-6S	6x0,22	1,2	4,8	35
7-2-8S	8x0,22	1,2	5,1	45
7-2-12S	12x0,22	1,2	6,2	56
7-2-18S	18x0,22	1,2	7,4	82
7-2-25S	25x0,22	1,2	8,9	109
16-2-2S	2x0,50	1,85	5,5	40
16-2-4S	4x0,50	1,85	6,7	65
16-2-6S	6x0,50	1,85	7,8	92
16-2-8S	8x0,50	1,85	8,3	118
16-2-12S	12x0,50	1,85	9,9	144
16-2-18S	18x0,50	1,85	11,5	203
16-2-25S	2x0,75	2,05	6,3	52
24-2-4S	4x0,75	2,05	7,1	76
24-2-6S	6x0,75	2,05	8,3	109
24-2-8S	8x0,75	2,05	8,8	140
24-2-12S	12x0,75	2,05	10,7	177
24-2-18S	18x0,75	2,05	12,4	252



Def Stan 61-12 TYPE A LSOH

Application Area

Flexible cable originally used in military equipment and vehicles, but now widely used within industry for high density wiring between components and electronic equipment.

Cable Construction

Conductor	Tinned Annealed Stranded Copper Wires
Insulation	Low Smoke Zero Halogen HFFR Compound
Core Colours	Coloured acc. to Gen. To DEF-STAN 61-12 Part 5 see Technical Information Page
Core Stranding	Cores Stranded in Layer with Optimum Lay Length
Seperator Tape	Polyster Tape
Outer Sheath	Low Smoke Zero Halogen HFFR Compound
Sheath Colour	Black (RAL 9005) and other colours on request.

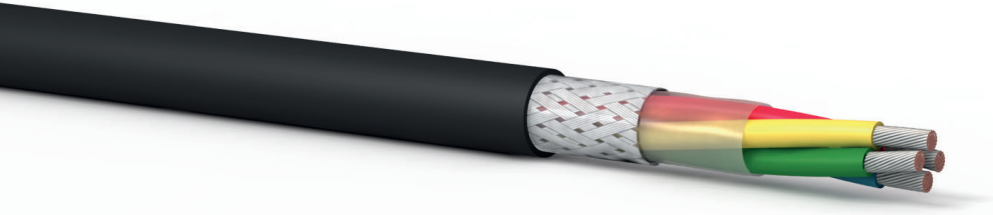
Technical Characteristics

Rated Voltage	440 V
Test Voltage	2000 V
Temperature Range	-20 to +70 °C
Reference Standard	Gen. to DEF-STAN 61-12 Part 5
Min Bending Radius	8 x D mm
Flame Retardancy	IEC/EN 60332-1-2
Halogen Content	IEC/EN 60754 1/2
Smoke Emission	IEC/EN 61034 1/2

Cross Sectional Area mm ²	Max. Resistance of Conductor Ω/km
0,22	96
0,5	40,1
0,75	26,7

Def Stan 61-12 TYPE A LSOH

Product Code	No. of cores x cross sectional area (n x mm ²)	Insulation Diameter (± 5% mm)	Nominal Diameter (± 5% mm)	Nominal Weight (≈ kg/km)
7-2-2A	2x0,22	1,2	3,5	14
7-2-3A	3x0,22	1,2	3,7	18
7-2-4A	4x0,22	1,2	4,0	22
7-2-6A	6x0,22	1,2	4,7	32
7-2-8A	8x0,22	1,2	5,3	46
7-2-12A	12x0,22	1,2	6,3	55
7-2-18A	18x0,22	1,2	7,5	81
7-2-25A	25x0,22	1,2	9,0	112
16-2-2A	2x0,50	1,85	5,6	37
16-2-3A	3x0,50	1,85	5,9	46
16-2-4A	4x0,50	1,85	6,4	55
16-2-6A	6x0,50	1,85	7,5	81
16-2-8A	8x0,50	1,85	8,0	107
16-2-12A	12x0,50	1,85	9,6	131
16-2-18A	18x0,50	1,85	11,4	195
16-2-25A	25x0,50	1,85	13,5	254
24-2-2A	2x0,75	2,05	6,2	46
24-2-4A	4x0,75	2,05	7,0	70
24-2-6A	6x0,75	2,05	8,2	102
24-2-8A	8x0,75	2,05	8,7	134
24-2-12A	12x0,75	2,05	10,6	170
24-2-18A	18x0,75	2,05	12,3	245



Def Stan 61-12 TYPE C LSOH

Application Area

Flexible cable originally used in military equipment and vehicles, but now widely used within industry for high density wiring between components and electronic equipment.

Cable Construction

Conductor	Tinned Annealed Stranded Copper Wires
Insulation	Low Smoke Zero Halogen HFFR Compound
Core Colours	Coloured acc. to Gen. To DEF-STAN 61-12 Part 5 see Technical Information Page
Core Stranding	Cores Stranded in Layer with Optimum Lay Length
Seperator Tape	Polyster Tape
Screen	Tinned Copper Wire Braid
Outer Sheath	Low Smoke Zero Halogen HFFR Compound
Sheath Colour	Black (RAL 9005) and other colours on request.

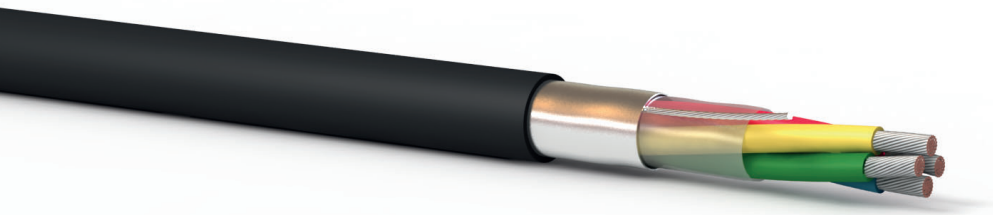
Technical Characteristics

Rated Voltage	440 V
Test Voltage	2000 V
Temperature Range	-20 to +70 °C
Reference Standard	Gen. to DEF-STAN 61-12 Part 5
Min Bending Radius	10 x D mm
Flame Retardancy	IEC/EN 60332-1-2
Halogen Content	IEC/EN 60754 1/2
Smoke Emission	IEC/EN 61034 1/2

Cross Sectional Area mm ²	Max. Resistance of Conductor Ω/km
0,22	96
0,5	40,1
0,75	26,7

Def Stan 61-12 TYPE C LSOH

Product Code	No. of cores x cross sectional area (n x mm ²)	Insulation Diameter (± 5% mm)	Nominal Diameter (± 5% mm)	Nominal Weight (≈ kg/km)
7-2-2C	2x0,22	1,2	4,0	22
7-2-3C	3x0,22	1,2	4,1	25
7-2-4C	4x0,22	1,2	4,4	30
7-2-6C	6x0,22	1,2	5,4	45
7-2-8C	8x0,22	1,2	5,7	57
7-2-12C	12x0,22	1,2	6,8	71
7-2-18C	18x0,22	1,2	8,0	100
7-2-25C	25x0,22	1,2	9,5	136
16-2-2C	2x0,50	1,85	6,1	50
16-2-3C	3x0,50	1,85	6,4	59
16-2-4C	4x0,50	1,85	6,8	69
16-2-6C	6x0,50	1,85	7,9	97
16-2-8C	8x0,50	1,85	8,5	125
16-2-12C	12x0,50	1,85	10,2	158
16-2-18C	18x0,50	1,85	12,0	226
16-2-25C	25x0,50	1,85	14,1	297
24-2-2C	2x0,75	2,05	6,6	59
24-2-4C	4x0,75	2,05	7,4	85
24-2-6C	6x0,75	2,05	8,6	121
24-2-8C	8x0,75	2,05	9,1	153
24-2-12C	12x0,75	2,05	11,0	194
24-2-18C	18x0,75	2,05	12,9	285



Def Stan 61-12 TYPE S LSOH

Application Area

Flexible cable originally used in military equipment and vehicles, but now widely used within industry for high density wiring between components and electronic equipment.

Cable Construction

Conductor	Tinned Annealed Stranded Copper Wires
Insulation	Low Smoke Zero Halogen HFFR Compound
Core Colours	Coloured acc. to Gen. To DEF-STAN 61-12 Part 5 see Technical Information Page
Core Stranding	Cores Stranded in Layer with Optimum Lay Length
Seperator Tape	Polyster Tape
Screen	Aluminium Polyster Tape With Tinned Copper Drain Wire
Outer Sheath	Low Smoke Zero Halogen HFFR Compound
Sheath Colour	Black (RAL 9005) and other colours on request.

Technical Characteristics

Rated Voltage	440 V
Test Voltage	2000 V
Temperature Range	-20 to +70 °C
Reference Standard	Gen. to DEF-STAN 61-12 Part 5
Min Bending Radius	12 x D mm
Flame Retardancy	IEC/EN 60332-1-2
Halogen Content	IEC/EN 60754 1/2
Smoke Emission	IEC/EN 61034 1/2

Cross Sectional Area mm ²	Max. Resistance of Conductor Ω/km
0,22	96
0,5	40,1
0,75	26,7

Def Stan 61-12 TYPE S LSOH

Product Code	No. of cores x cross sectional area (n x mm ²)	Insulation Diameter (± 5% mm)	Nominal Diameter (± 5% mm)	Nominal Weight (≈ kg/km)
7-2-2S	2x0,22	1,2	3,5	16
7-2-3S	3x0,22	1,2	3,6	19
7-2-4S	4x0,22	1,2	3,9	23
7-2-5S	5x0,22	1,2	4,5	30
7-2-6S	6x0,22	1,2	4,8	35
7-2-8S	8x0,22	1,2	5,1	45
7-2-12S	12x0,22	1,2	6,2	56
7-2-18S	18x0,22	1,2	7,4	82
7-2-25S	25x0,22	1,2	8,9	109
16-2-2S	2x0,50	1,85	5,5	40
16-2-4S	4x0,50	1,85	6,7	65
16-2-6S	6x0,50	1,85	7,8	92
16-2-8S	8x0,50	1,85	8,3	118
16-2-12S	12x0,50	1,85	9,9	144
16-2-18S	18x0,50	1,85	11,5	203
16-2-2S	2x0,75	2,05	6,3	52
24-2-4S	4x0,75	2,05	7,1	76
24-2-6S	6x0,75	2,05	8,3	109
24-2-8S	8x0,75	2,05	8,8	140
24-2-12S	12x0,75	2,05	10,7	177
24-2-18S	18x0,75	2,05	12,4	252

Technical Information

Designation

Copper Types

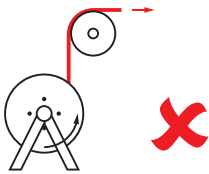
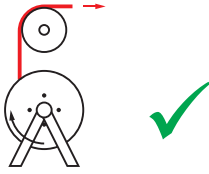
CLASS 1 : Solid Wire

CLASS 2 : Stranded Multi Wire

CLASS 5 : Stranded Flexible Multi Wire

CLASS 6 : Stranded Extra Flexible Multi Wire

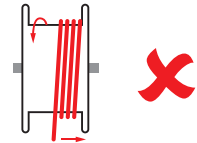
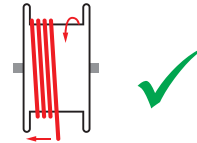
INSULATION IDENTIFICATION									
1	Red	6	Black	11	Turquoise	16	White/Red	21	Blue/Black
2	Blue	7	Brown	12	Grey	17	Red/Black	22	Orange/Blue
3	Green	8	Violet	13	Red/Blue	18	Red/Brown	23	Green/Blue
4	Yellow	9	Orange	14	Green/Red	19	Yellow/Blue	24	Grey/Blue
5	White	10	Pink	15	Yellow/Red	20	White/Blue	25	Yellow/Green



The cable should be without torsion and be careful during unwinding over edges or pulling.



The cables should be unwound tangential



The cables should be rolled onto the operating drums so that the cable moves to the left when started

Notes



Baran Kablo A.Ş.

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