

PETKAB  
CABLE  
TURKEY

50  
.YEARS

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PRODUCT CATALOGUE

2024

PETKAB CABLE was founded in 1975 and today is one of the leader companies in cable sector.

Our firm produces Polyvinylchloride, Polyurethane, Polyethylene, Hologen free, Cross-Linked Polyethylene (XLPE), Thermoplastic Elastomer and Silicone cables for the industry of Telecomm, Computer, Security, Automation, Petroleum, Chemistry, Machine, Building construction, Steel and Cement production, Ship building, Defence and Aviation, also producing other cables for different applications in it's new factory located on area of 4000 m<sup>2</sup> in Istanbul -Büyükçekmece.


Since 1996 PETKAB CABLE has been implementing the requirements of ISO 9001-2008 Quality System (NQA approval) and produces cables according to TSE, Turkish Lloyd, VDE, BS and Military standards.


All of our cables have CE and ROHS approval certificates.


The customer satisfaction as principle aim, we expand our vision with our experience for years, with special emphasis on quality with our hard working, young and dynamic staff.





# FIRE RESISTANT CABLES


	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Bare Copper cl-1 Insulation : Special Silicone Stranding : Pairs are stranded Fire Barrier : Glass Fibre Tape Drain Wire : Tinned Copper cl-1 Screen : Aluminium Foil Sheath : Halogen Free LSZH	Working Voltage : 300 V Test Voltage : 800 V Temp. Range : -40 + 70 °C Degree of acidity of gas : EN 60754-1 Amount of halogen acid : EN 60754-1 Smoke density : EN 61034-2 Circuit Integrity : DIN EN 50200 VDE 4102


	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Bare Copper cl-5 Insulation : Special Silicone Stranding : In Layer Fire Barrier : Glass Fibre Tape Sheath : Halogen Free LSZH	Working Voltage : 300 V Test Voltage : 800 V Temp. Range : -40 + 70 °C Degree of acidity of gas : EN 60754-1 Amount of halogen acid : EN 60754-1 Smoke density : EN 61034-2 Circuit Integrity : DIN EN 50200 VDE 4102


	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Bare Copper cl-5 Insulation : Special Silicone Stranding : In Layer Fire Barrier : Glass Fibre Tape Screen : Tinned Copper Braid Sheath : Halogen Free LSZH	Working Voltage : 300 V Test Voltage : 800 V Temp. Range : -40 + 70 °C Degree of acidity of gas : EN 60754-1 Amount of halogen acid : EN 60754-1 Smoke density : EN 61034-2 Circuit Integrity : DIN EN 50200 VDE 4102

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Bare Copper cl-1-2 Insulation : XLPE with mica tape Stranding : In Layer Fire Barrier : Glass Fibre Tape Sheath : Halogen Free LSZH	Working Voltage : 0,6 / 1 kV Test Voltage : 4000 V Temp. Range : -40 + 90 °C Degree of acidity of gas : EN 60754-1 Amount of halogen acid : EN 60754-1 Smoke density : EN 61034-2 Circuit Integrity : DIN EN 50200 VDE 4102

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : 1,0 mm bare copper Insulation : Foam PE 4,60 mm Screen 1 : Copper. foil Screen 2 : Bare copper wire braiding Sheath : 6,90 mm black-green stripe PVC or LSOH Halogen Free	Impedance (Ohm) : 75 ±3 Capacitance (pF/m) : 57 Velocity Ratio : 0,78 Temperature Range : -40 +70°C Test Voltage : 1,2 KV

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : 7x0,76 mm bare copper Insulation : PE 7,20 mm Screen : Bare copper wire braiding Sheath : 10,30 mm black PVC	Impedance (Ohm) : 50 ±2 Capacitance (pF/m) : 101 Velocity Ratio : 0,66 Temperature Range : -40 +70°C Test Voltage : 5,0 KV

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : 1,0 mm bare copper Insulation : Foam PE 4,60 mm Screen 1 : Alum.foil Screen 2 : Tinned copper wire braiding Sheath : 6,90 mm white PVC or LSOH Halogen Free	Impedance (Ohm) : 75 ±3 Capacitance (pF/m) : 57 Velocity Ratio : 0,78 Temperature Range : -40 +70°C Test Voltage : 1,2 KV

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : 7x0,76 mm Silver plated copper Insulation : PE 7,20 mm Screen 1 : Silver plated copper wire braiding Screen 2 : Silver plated copper wire braiding Sheath : 10,80 mm black PVC	Impedance (Ohm) : 50 ±2 Capacitance (pF/m) : 101 Velocity Ratio : 0,66 Temperature Range : -40 +70°C Test Voltage : 5,0 KV



PETKAB CABLE RE-Y (st) Y SWAY MP	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 1-2 or 5 Insulation : PVC Screen : Aluminium foil Inner Sheath : PVC Armour : Galvanised steel round wire Sheath : PVC	Working Voltage : 300 or 500 Capacitance : max 250 pf L/R Ratio : For 0,50 = 25 µH / Ω : For 0,75 = 25 µH / Ω : For 1,00 = 25 µH / Ω : For 1,50 = 40 µH / Ω : For 2,50 = 60 µH / Ω

PETKAB CABLE RE-2X (st) H SWAH PIMF	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 1-2 or 5 Insulation : XLPE Screen 1 : Aluminium foil Screen 2 : Aluminium foil Inner Sheath : HF LSOH Armour : Galvanised steel round wire Sheath : HF LSOH	Working Voltage : 300 or 500 Capacitance : max 150 pf L/R Ratio : For 0,50 = 25 µH / Ω : For 0,75 = 25 µH / Ω : For 1,00 = 25 µH / Ω : For 1,50 = 40 µH / Ω : For 2,50 = 60 µH / Ω

PETKAB CABLE RE-2X (st) SWAH FE 180	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 1 or 2 Insulation : XLPE with mica tape Fire barrier : Glass fibre tape Screen : Aluminium foil Inner Sheath : HF LSOH Armour : Galvanised steel round wire Sheath : HF LSOH	Working Voltage : 300 or 500 Degree of acidity of gas : EN 60754-1 Amount of halogen acid : EN 60754-1 Smoke density : EN 61034-2 Circuit Integrity : DIN EN 50200 : VDE 4102

PETKAB CABLE RE-2G (st) H FE 180	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 1 or 2 Insulation : Silicone Screen 1 : Aluminium foil Screen 2 : Aluminium foil Inner Sheath : HF LSOH Armour : Galvanised steel round wire Sheath : HF LSOH	Working Voltage : 300 or 500 Degree of acidity of gas : EN 60754-1 Amount of halogen acid : EN 60754-1 Smoke density : EN 61034-2 Circuit Integrity : DIN EN 50200 : VDE 4102

# CONTROL - COMMAND CABLES

PETKAB CABLE YSLY - JZ	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 bare copper Insulation : PVC TI2 Core : VDE 0293 - Colours (-J) (-JZ) (OZ) Stranding : in layers Sheath : PVC TM2	Working Voltage : 300/500 V Test Voltage : 2,5KV Temp. Range : Flex using : -5 / +70 °C Fixed using : -30 / +70 °C Insulation Resistance : min. 20 M Ω km

PETKAB CABLE NYSLY6	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 bare copper Insulation : PVC TI2 Core : VDE 0293 Colours (-J) (-JZ) (OZ) Stranding : in layers Sheath : PVC TM5 oil resistant	Working Voltage : 300/500 V Test Voltage : 2,5KV Temp. Range : Flex using : -5 / +70 °C Fixed using : -30 / +70 °C Insulation Resistance : min. 20 M Ω km

PETKAB CABLE TRANSPARENT SY 450 SY	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 bare copper Insulation : TI2 Core : VDE 0293 Colours (-J) (-JZ) (OZ) Stranding : in layers Screen : Galvanized Steel Wire Braid Sheath : TM2 Transparent	Working Voltage : 300/500 V Test Voltage : 2,5KV Temp. Range : Flex using : -5 / +70 °C Fixed using : -30 / +70 °C Insulation Resistance : min. 20 M Ω km

PETKAB CABLE H07VVH6-F	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 bare copper Insulation : TI2 Sheath : PVC TM2	Working Voltage : 350-500 V - H05VVH6-F 450-750 V - H07VVH6-F Test Voltage : 2,0 KV - 350 - 500 V 2,5 KV - 450 - 750 V Insulation Resistance : min. 20 M Ω km

PETKAB CABLE CCTV	
CABLE STRUCTURE	TECHNICAL DATA
<p><b>Coaxial</b>                      Conductor : Bare or stranded copper                      Insulation : PE or FPE                      Screen 1 : Aluminium foil                      Screen 2 : Tinned or bare copper braid</p> <p><b>Power cores</b>                      Conductor : Class 5 bare copper                      Insulation : PVC or HF (LSOH)                      Screen : Aluminium foil                      Outer Sheath : PVC or HF (LSOH)</p>	<p>Impedance (Ohm) : <math>75 \pm 5</math>                      Temperature Range : <math>-40+70^{\circ}\text{C}</math>                      Test Voltage : 0.8 KV</p>

PETKAB CABLE CCTV DUAL	
CABLE STRUCTURE	TECHNICAL DATA
<p><b>Coaxial</b>                      Conductor : Bare or stranded copper                      Insulation : PE or FPE                      Screen 1 : Aluminium foil                      Screen 2 : Tinned or bare copper braid</p> <p><b>Power cores</b>                      Conductor : Class 5 bare copper                      Insulation : PVC or HF (LSOH)                      Screen : Aluminium foil                      Sheath : PVC or HF (LSOH)</p>	<p>Impedance (Ohm) : <math>75 \pm 5</math>                      Temperature Range : <math>-40+70^{\circ}\text{C}</math>                      Test Voltage : 0.8 KV</p>

PETKAB CABLE J-H(st)H	
CABLE STRUCTURE	TECHNICAL DATA
<p>Conductor : Class 1 bare copper                      Insulation : Halogen Free LSOH                      Screen : Aluminium foil                      Sheath : Halogen Free LSOH</p>	<p>Temperature Range : <math>-40+70^{\circ}\text{C}</math>                      Test Voltage : 0.8 KV                      Working Voltage : 300 or 500                      Degree of acidity of gas : EN 60754-1                      Amount of halogen acid : EN 60754-1                      Smoke density : EN 61034-2                      Circuit Integrity : DIN EN 50200                      VDE 4102</p>

PETKAB CABLE LIY(st)Y	
CABLE STRUCTURE	TECHNICAL DATA
<p>Conductor : Class 5                      Insulation : PVC T12                      Core Colours : DIN 47100                      Stranding : In Layers                      Screen : Aluminium Foil +                      tinned drain wire                      Sheath : PVC TM2</p>	<p>Working Voltage : 350 V                      Test Voltage : 800 V                      Temp. Range :                      Flex using : <math>-5 / +70^{\circ}\text{C}</math>                      Fixed using : <math>-30 / +70^{\circ}\text{C}</math>                      Insulation Resistance : min. 20 M<math>\Omega</math> km                      Capacitance : Approx 120 pF/m</p>

PETKAB CABLE LIHH	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 Insulation : Halogen Free LSZH Stranding : In Layers Sheath : Halogen Free LSZH	Working Voltage : 350 Test Voltage : 800 Temp. Range Flex using : -5 / +70°C Fixed using : -30 / +70°C Insulation Resistance : min. 20 M Ω km

PETKAB CABLE LIHCH	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 Insulation : Halogen Free LSZH Stranding : In Layers and PES band wrapped Screen : Tinned Copper Braiding Sheath : Halogen Free LSZH	Working Voltage : 350 Test Voltage : 800 Temp. Range Flex using : -5 / +70°C Fixed using : -30 / +70°C Insulation Resistance : min. 20 M Ω km

PETKAB CABLE LIHCH-P	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 Insulation : Halogen Free LSZH Stranding : Paired, pairs laid up layers and PES band wrapped Screen : Tinned Copper Braiding Sheath : Halogen Free LSZH	Working Voltage : 350 Test Voltage : 800 Temp. Range Flex using : -5 / +70°C Fixed using : -30 / +70°C Insulation Resistance : min. 20 M Ω km

PETKAB CABLE LIY[st]CY PIMF DW	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 Insulation : PVC Stranding : Paired, pairs laid up in layers and PES band wrapped Screen 1 : Alum.foil+tinned drain wire Screen 2 : Alum.foil+tinned copper braiding Sheath : PVC	Working Voltage : 350 Test Voltage : 800 Temp. Range Flex using : -5 / +70°C Fixed using : -30 / +70°C Insulation Resistance : min. 20 M Ω km




# LAN ( NETWORK ) CABLES


PETKAB CABLE CAT6 UTP	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : 23 AWG (0,573 mm) bare copper Insulation : PE Stranding : Paired with different lay lengths, pairs twisted with separator Sheath : PVC or LSOH	Working Voltage : 250 V Test Voltage : 1.2 KV Temp. Range : -20 / +60°C Insulation Resistance : min. 5000 M km Capacitance : max. 56,0 pF/m (1KHz) Impedance : 100±%15 (1MHz) Frequency : 155 MHz Length Max. : 100m Attenuation : 19,8 dB (100 MHz) Next min. : 44 dB (100 MHz) Return Loss : 20 dB (100 MHz)


PETKAB CABLE CAT6 S FTP	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : 23 AWG (0,573 mm) Insulation : PE Stranding : Paired with different lay lengths, pairs twisted with separator Screen 1 : Aluminium foil Screen 2 : Tinned copper braiding Sheath : PVC PVC or LSOH	Working Voltage : 250 V Test Voltage : 1.2 KV Temp. Range : -20 / +60°C Insulation Resistance : min. 5000 M km Capacitance : max. 56,0 pF/m (1KHz) Impedance : 100±%15 (1MHz) Frequency : 155 MHz Length Max. : 100m Attenuation : 19,8 dB (100 MHz) Next min. : 44 dB (100 MHz) Return Loss : 20 dB (100 MHz)


PETKAB CABLE PROFIBUS	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : 22 AWG (0,64 mm) Insulation : Foam PE 2,50 mm Stranding : Twisted and and PES band wrapped Screen 1 : Aluminium foil Screen 2 : Tinned copper braiding Sheath : PVC or HF LSOH	Working Voltage : 250 V (max.) Test Voltage : 0,8 KV Temp. Range : -30 / +70°C Insulation Resistance : min. 5000 M Ω km Capacitance : nom. 30,0 pF/m Impedance : 150±%15

PETKAB CABLE RS 485	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 Insulation : PE Stranding : Paired, pairs laid up in layers and PES band wrapped Screen 1 : Aluminium Foil Screen 2 : Tinned copper braiding Sheath : PVC or HF LSOH	Working Voltage : 225 V Test Voltage : 1.0 KV Temp. Range : -20 / +70°C Insulation Resistance : min. 5000 M Ω km Capacitance : 42 pF/m Impedance : 120 Ω ±15

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor: Class 6 bare copper Insulation : PVC or PE Stranding : In layers, textile tape wrapped Screen : On request Sheath : TPU / PUR	Working Voltage : 300 V Test Voltage : 1200 V AC Length of ends : on request

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor: Class 6 bare copper Insulation : PVC Stranding : In layers, textile tape wrapped Sheath : PVC on both sides of outer sheath steel supporting wires	Working Voltage : 300 / 500 V Test Voltage : 2,5 KV Temp. Range : -30 / +70 °C Insulation Resistance : min. 20 M Ω km

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 6 Insulation : PVC TI2 Core Colours : DIN 47100 Stranding : In layers, textile tape wrapped Overall Screen: Alum.Foil +Tinned Drain Wire Sheath : TPU / PUR	Working Voltage : 350 V Test Voltage : 800 V Temp. Range Flex using : -5 / +70°C Fixed using : -30 / +70 °C Insulation Resistance : min. 20 M Ω km

	
CABLE STRUCTURE	TECHNICAL DATA
Conductor: Class 6 tinned copper Insulation : PE Stranding : Cores twisted in pairs, pairs laid up, textile tape wrapped Screen : Tinned copper wire braiding Sheath : TPU / PUR	Working Voltage : < 50 V AC Temp. Range Flex using : -30 / + 70 °C Fixed using : -40 / + 80 °C

PETKAB CABLE NHXHM	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 1 bare copper Insulation : XLPE 2XI1 Stranding : in layers Inner Sheath: Halogen free LSZH Sheath : Halogen free LSZH	Working Voltage : 300 / 500 V Test Voltage : 2,0 KV Temp. Range : Flex using : -5 / +60 °C Fixed using : -30 / +70 °C Insulation Resistance : min. 5 G Ω km

PETKAB CABLE N2XH	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 1 bare copper Insulation : XLPE 2XI1 Stranding : in layers Inner Sheath: Halogen free LSZH Sheath : Halogen free LSZH	Working Voltage : 0,6 / KV Test Voltage : 3,5 KV Temp. Range : Flex using : -5 / +60 °C Fixed using : -30 / +70 °C Insulation Resistance : min. 5 G Ω km

PETKAB CABLE N2XH RH	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 1 bare copper Insulation : XLPE 2XI1 Stranding : in layers Inner Sheath: Halogen free LSZH Armour : Galvanised steel round wire Sheath : Halogen free LSZH	Working Voltage : 0,6 / KV Test Voltage : 3,5 KV Temp. Range : Flex using : -5 / +60 °C Fixed using : -30 / +70 °C Insulation Resistance : min. 5 G Ω km

PETKAB CABLE NHSLH	
CABLE STRUCTURE	TECHNICAL DATA
Conductor : Class 5 bare copper Insulation : Halogen free LSOH Core : VDE 0293 - Colours (-J) (-JZ) (OZ) Stranding : in layers Sheath : Halogen free LSOH	Working Voltage : 300/500 V Test Voltage : 2,5KV Temp. Range : Flex using : -5 / +70 °C Fixed using : -30 / +70 °C Insulation Resistance : min. 20 M Ω km

# PETKAB CABLE TURKEY

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