TSEK

HBAPH, HBAPH-K

Application

These indoor tinned shielded telephone cables are used in subscriber and switchboard system. These version has halogen free and flame retardant insulation and sheath.

Construction

Conductor	Electrolytic Annealed Solid Copper Wire for HBAPH – Solid Tinned Copper Wire for HBAPH-K (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	LSZH (EN 50290-2-26, HD 624.6 S1, VDE 0207-HI2) Color Code : (See Technical Data - Table 5)
Lay-up	(See Technical Data - Table 5)
Separator	Polyester Tape
Drain Wire	0.50 mm Tinned Copper Wire
Shield	AL-PES foil 100 % Coverage
Sheath	HFFR (EN 50290-2-27, HD 624.7 S1, VDE 0207- HM2) Sheath Color RAL 7032 Grey
Standard Packing	100 m. roll, 500 and 1000 m. Spool
Reference Standards	TS 2814, IEC 60189-2
Flame Test	TS/ IEC/ EN 60332-1
Smoke Density	IEC / EN 61034, EN 50268, HD 606, BS 7622
Corrosive Gas Measurement	IEC 60754, EN 50267

Technical and Electrical Properties (20 °C)

Operating Voltage	250 V
Test Voltage	1000 V
Conductor Resistance	97.8 Ω / km
Mutual Capacitance	<120 nF / km
Capacitance Unbalance	<400 pF / 500 m
Insulation Resistance	> 500 M.Ω x km
Temperature Range	-30 °C... +70 °C
Min. Bending Radius	7.5 x Cable Diameter

Part Number HBAPH	Part Number HBAPH-K	Number of cores x Cond.Dia.(mm)	Cable Diameter (mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
41160001	42160001	1x2x0.50+0.50	3.20	5.4	14.3
41160002	42160002	2x2x0.50+0.50	3.90	9.0	21.0
41160003	42160003	3x2x0.50+0.50	4.40	12.7	31.0
41160004	42160004	4x2x0.50+0.50	4.90	16.0	36.0
41160006	42160006	6x2x0.50+0.50	5.50	23.0	51.0
41160010	42160010	10x2x0.50+0.50	6.70	37.0	75.0
41160020	42160020	20x2x0.50+0.50	10.20	73.0	141.0
41160030	42160030	30x2x0.50+0.50	11.10	110.0	197.0
41160050	42160050	50x2x0.50+0.50	13.60	182.0	316.0
41160100	42160100	100x2x0.50+0.50	19.40	362.0	605.0

TSEK

HBH, HBH-K

Application

These indoor tinned telephone cables are used in subscriber and switchboard system. These cables has halogen free and flame retardant insulation and sheath.

Construction

Conductor	Electrolytic Annealed Solid Copper Wire for HBH- Solid Tinned Copper Wire for HBH-K (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	LSZH (EN 50290-2-26, HD 624.6 S1, VDE 0207-HI2) Color Code : (See Technical Data - Table 5)
Lay-up	(See Technical Data - Table 5)
Drain Wire	Insulated (white color with red ring color) solid annealed copper
Separator	Polyester Tape
Sheath	HFFR (EN 50290-2-27, HD 624.7 S1, VDE 0207- HM2) Sheath Color RAL 7032 Grey
Standard Packing	100 m. Roll, 500 and 1000 m. Spool
Reference Standards	TS 2814, IEC 60189-2
Flame Test	TS/ IEC / EN 60332-1
Smoke Density (HBH-K)	IEC / EN 61034, EN 50268, HD 606, BS 7622
Corrosive Gas Measurement	IEC 60754, EN 50267

Technical and Electrical Properties (20 °C)

Operating Voltage	250 V
Test Voltage	1000 V
Conductor Resistance	97.8 Ω / km
Mutual Capacitance	<120 nF / km
Capacitance Unbalance	<400 pF / 500 m
Insulation Resistance	> 500 M.Ω x km
Temperature Range	-30 °C... +70 °C
Min. Bending Radius	7.5 x Cable Diameter

Part Number HBH	Part Number HBH-K	Number of cores x Cond. Dia.(mm)	Cable Diameter (mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
40160001	39160001	1x2x0.50+0.50	3.10	5.4	13.0
40160002	39160002	2x2x0.50+0.50	3.80	9.0	19.5
40160003	39160003	3x2x0.50+0.50	4.30	12.7	29.0
40160004	39160004	4x2x0.50+0.50	4.80	16.0	34.0
40160006	39160006	6x2x0.50+0.50	5.40	23.0	48.5
40160010	39160010	10x2x0.50+0.50	5.60	37.0	72.0
40160020	39160020	20x2x0.50+0.50	10.10	73.0	138.0
40160030	39160030	30x2x0.50+0.50	11.00	110.0	194.0
40160050	39160050	50x2x0.50+0.50	13.50	182.0	300.0
40160100	39160100	100x2x0.50+0.50	19.30	362.0	600.0
40160150	39160150	150x2x0,50+0,50	24.40	545.0	880.0
40160200	39160200	200x2x0,50+0,50	28.10	726.0	1149.0

JE-Y(St)Y...Bd, JE-H(St)H...Bd

Application

These installation cables according to VDE 0815 with electrostatic screen for industrial electronics are used telecommunication, measurement and information / data process systems.
JE-H(St)H…Bd halogen free flame retardant cable type has low smoke emission and no corrosive gases during fire.

Construction

Conductor	0.80 mm Electrolytic Annealed Solid Copper Wire (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	PVC for JE-Y(St)Y…Bd (EN 50290-2-21, HD 21.1 S4 TI1, VDE 0207 YI1) HFFR for JE-H(St)H…Bd (EN 50290-2-26, HD 624.6 S1, VDE 0207-HI2) (Group and ring colors : see Technical Data-Table 8)
Lay-up	2 cores twisted to a pair, 4 pairs laid up to a bundle, bundles laid up in layers (see Technical Data-Table 8)
Drain Wire	Solid Tinned Copper Wire
Separator	Polyester Tape
Shield	AL-PES foil 100 % Coverage
Sheath	PVC for JE-Y(St)Y…Bd (EN 50290-2-22, HD 21.1.S4 TM1, VDE 0207 YM1) Sheath Color RAL 7032 Grey HFFR for JE-H(St)H…Bd (EN 50290-2-27, HD 624.7 S1, VDE 0207- HM2) Sheath Color RAL 7032 Grey
Standard Packing	100 m. roll, 500 and 1000 m. Spool
Reference Standards	VDE 0815
Fire Tests	IEC / EN 60332-1, EN 50266-2
Smoke Density (JE-H(St)H…Bd)	IEC / EN 61034, EN 50268, HD 606, BS 7622
Corrosive Gas Measurement (JE-H(St)H…Bd)	IEC 60754, EN 50267

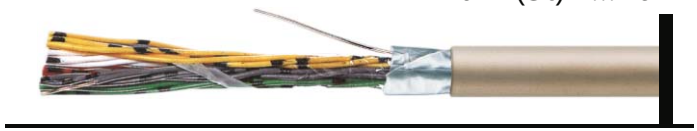
Technical and Electrical Properties (20 °C)

Max. Operating Voltage	300 V	
Test Voltage	800 V	
Loop Resistance (Max. Ω/km)	73.2	
Capacitance	< 100 nF / km for JE-Y(St)Y...Bd <120 nF / km for JE-H(St)H...Bd	Capacitance valves may increase by %20 vp to 4 pairs.
Insulation Resistance	> 100 M.Ω x km	
Temperature Range	-30 °C... +70 °C	
Min. Bending Radius	7.5 x Cable Diameter	

Part Number JE-Y(St)Y…Bd	Part Number JE-H(St)H…Bd	Number of cores x Conductor Diameter (mm)	Cable Diameter (mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
46000802	46010802	2x2x0.80	6.0	23.0	54.0
46000804	46010804	4x2x0.80	8.9	42.5	91.0
46000808	46010808	8x2x0.80	11.6	80.0	155.4
46000816	46010816	16x2x0.80	15.3	155.6	281.8
46000820	46010820	20x2x0.80	16.9	195.0	420.0
46000832	46010832	32x2x0.80	21.1	315.0	620.0
46000840	46010840	40x2x0.80	23.2	388.0	730.0
46000880	46010880	80x2x0.80	31.6	780.0	1420.0

The cable weight can be slightly higher for JE-H(St)H...Bd cables.

J-H(St)H...Bd



Application

Halogen free installation cables according to VDE 0815 with electrostatic screen are used telecommunication, measurement and information / data process systems. This halogen free flame retardant cable type has low smoke emission and no corrosive gases during fire.

Construction

Conductor	Electrolytic Annealed Solid Copper Wire (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	HFFR (EN 50290-2-26, HD 624.6 S1, VDE 0207-HI2) Color Code : (See Technical Data - Table 8)
Lay-up	5 star quads laid up to a bundle, bundles laid up in layers (See Technical Data - Table 8)
Drain Wire	Solid Tinned Copper Wire
Separator	Polyester Tape
Shield	AL-PES foil 100 % Coverage
Sheath	HFFR (EN 50290-2-27, HD 624.7 S1, VDE 0207- HM2) Sheath Color RAL 7032 Grey

Standard Packing	100 m. roll, 500 and 1000 m. Spool
Reference Standards	VDE 0815
Fire Tests	IEC / EN 60332-1, EN 50266-2
Smoke Density	IEC / EN 61034, EN 50268, HD 606, BS 7622
Corrosive Gas Measurement	IEC 60754, EN 50267

Technical and Electrical Properties (20 °C)

Max. Operating Voltage	300 V	
Test Voltage	800 V	
Loop Resistance (Max. Ω/km)	Conductor Diameter 0.60 mm: 130	
	Conductor Diameter 0.80 mm: 73.2	
Capacitance	< 120 nF / km	Capacitance values may increase by %20 up to 4 pairs.
Insulation Resistance	> 100 M.Ω x km	
Temperature Range	-30 °C... +70 °C	
Min. Bending Radius	7.5 x Cable Diameter	

Part Number	Number of cores x Cond. Dia.(mm)	Cable Dia.(mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
0.60 mm				
56150002	2x2x0.60	4.6	14.0	40.0
56150004	4x2x0.60	7.0	25.0	76.7
56150006	6x2x0.60	7.3	35.0	84.1
56150010	10x2x0.60	8.9	57.0	131.0
56150020	20x2x0.60	11.4	111.0	252.2
56150030	30x2x0.60	14.0	166.0	317.0
56150040	40x2x0.60	15.8	220.0	415.5
56150050	50x2x0.60	17.2	268.0	504.8
56150060	60x2x0.60	18.9	324.0	589.3
56150080	80x2x0.60	21.0	433.0	783.6
56150100	100x2x0.60	24.0	542.0	957.3

Part Number	Number of cores x Cond. Dia.(mm)	Cable Dia.(mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
0.80 mm				
56170002	2x2x0.80	6.1	23.0	60.4
56170004	4x2x0.80	9.5	42.5	99.0
56170006	6x2x0.80	10.2	60.0	140.1
56170010	10x2x0.80	13.2	99.0	222.9
56170020	20x2x0.80	16.5	195.0	430.0
56170030	30x2x0.80	20.0	293.0	586.6
56170040	40x2x0.80	24.4	388.0	750.4
56170050	50x2x0.80	26.8	489.0	943.9
56170060	60x2x0.80	29.1	586.0	1096.8
56170080	80x2x0.80	32.9	780.0	1445.0
56170100	100x2x0.80	36.9	975.0	1747.6

J-Y(St)Y...Lg, J-H(St)H...Lg

Application

Fire alarm and telecommunication installation cables with electrostatic screen for information processing, signal transmission, voice communication and telephone stations for indoor applications. Static screen protects the signal from external electrical interference. J-H(St)H…Lg cables are halogen free flame retardant insulated and sheathed .

Construction

Conductor	Electrolytic Annealed Solid Copper Wire (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	PVC for J-Y(St)Y…Lg (EN 50290-2-21, HD 21.1 S4 TI1, VDE 0207 YI1) HFFR for J-H(St)H…Lg (EN 50290-2-26, HD 624.6 S1, VDE 0207-HI2) Color Code : (See Technical Data - Table 8)
Lay-up	Two cores twisted in pair and pairs stranded together. (2 pairs cables are star quad lay-up) (See Technical Data - Table 8)
Drain Wire	Solid Tinned Copper Wire
Separator	Polyester Tape
Shield	AL-PES foil 100 % Coverage
Sheath	PVC for J-Y(St)Y…Lg (EN 50290-2-22, HD 21.1.S4 TM1, VDE 0207 YM1) HFFR for J-H(St)H…Lg (EN 50290-2-27, HD 624.7 S1, VDE 0207- HM2)
Sheath Color	For Fire Alarm Cables : RAL 3000 Red For Indoor Telephone Cables : RAL 7032 Grey

Standard Packing	100 m. roll, 500 and 1000 m. Spool
Reference Standards	VDE 0815
Flame Test	TS/ IEC / EN 60332-1
Smoke Density (J-H(St)H…Lg)	IEC / EN 61034, EN 50268, HD 606, BS 7622
Corrosive Gas Measurement (J-H(St)H…Lg)	IEC 60754, EN 50267

Technical and Electrical Properties (20 °C)

Max. Operating Voltage	300 V	
Test Voltage	800 V	
Loop Resistance	Conductor Diameter	(Max. Ω/km)
	0.60 mm	130.0
	0.80 mm	73.2
	1.12 mm	36.0
	1.37 mm	24.0
	1.75 mm	14.5
Capacitance	< 100 nF / km for J-Y(St)Y... Lg < 120 nF / km for J-H(St)H... Lg Capacitance values may increase by %20 ve to 4 pairs.	
Insulation Resistance	> 100 M.Ω x km	
Temperature Range	-30 °C... +70 °C	
Min. Bending Radius	7.5 x Cable Diameter	

TSEK

J-Y(St)Y...Lg, J-H(St)H...Lg

Part Number J-Y(St)Y...Lg	Part Number J-H(St)H...Lg	Number of cores x Conductor Diameter (mm)	Cable Diameter (mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
0.60 mm Fire Alarm Cables					
46160001	46150001	1x2x0.60	3.7	6.3	19
46160002	46150002	2x2x0.60	4.1	11.5	34
46160003	46150003	3x2x0.60	5.2	17.0	43
46160004	46150004	4x2x0.60	5.8	23.0	52
46160005	46150005	5x2x0.60	6.1	28.0	60
46160006	46150006	6x2x0.60	6.5	33.0	69
46160008	46150008	8x2x0.60	7.0	44.0	86
46160010	46150010	10x2x0.60	8.0	55.0	106
46160012	46150012	12x2x0.60	8.5	66.2	123
46160014	46150014	14x2x0.60	9.2	78.0	140
46160016	46150016	16x2x0.60	9.6	87.8	153
46160020	46150020	20x2x0.60	10.3	111.0	185
46160030	46150030	30x2x0.60	12.5	166.0	270
46160040	46150040	40x2x0.60	14.7	220.0	345
46160050	46150050	50x2x0.60	16.0	268.0	430
46160060	46150060	60x2x0.60	17.5	324.0	500
46160080	46150080	80x2x0.60	19.7	433.0	635
46160100	46150100	100x2x0.60	22.0	542.0	840
0.80 mm Fire Alarm Cables					
46180001	46170001	1x2x0.80	4.9	10.5	30
46180002	46170002	2x2x0.80	5.5	20.0	48
46180003	46170003	3x2x0.80	7.6	29.7	73
46180004	46170004	4x2x0.80	8.2	39.0	93
46180005	46170005	5x2x0.80	9.0	50.0	111
46180006	46170006	6x2x0.80	9.9	56.5	129
46180008	46170008	8x2x0.80	10.5	76.0	163
46180010	46170010	10x2x0.80	12.4	96.0	205
46180012	46170012	12x2x0.80	12.7	117.0	235
46180014	46170014	14x2x0.80	13.7	136.0	265
46180016	46170016	16x2x0.80	14.5	151.0	300
46180020	46170020	20x2x0.80	15.6	193.0	365
46180030	46170030	30x2x0.80	18.7	290.0	545
46180040	46170040	40x2x0.80	22.0	385.0	690
46180050	46170050	50x2x0.80	24.5	485.0	875
46180060	46170060	60x2x0.80	26.5	583.0	1010
46180080	46170080	80x2x0.80	31.0	776.0	1375
46180100	46170100	100x2x0.80	33.3	970.0	1650

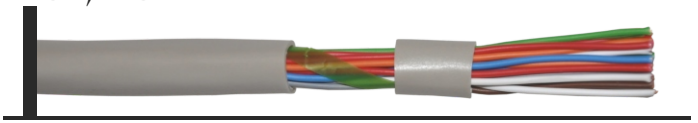
The cable weight can be slightly higher for J-H(St)H...Lg cables.

Part Number J-Y(St)Y…Lg	Part Number J-H(St)H…Lg	Number of cores x Diameter / Cross Section	Cable Diameter (mm)	Copper Weight (Kg/Km	Cable Weight (Kg/Km)
1.00 mm Fire Alarm Cables					
46190001	46191001	1x2x1.00mm	5.7	18.0	47
46190002	46191002	2x2x1.00mm	6.5	32.0	69
1.00 mm² Fire Alarm Cables					
46110001	46112001	1x2x1.00mm²	5.9	20.7	53
46110002	46112002	2x2x1.00mm²	6.7	40.0	82
1.50 mm² Fire Alarm Cables					
46115001	46116001	1x2x1.50mm²	6.8	30.8	64
46115002	46116002	2x2x1.50mm²	7.6	58.9	105
46115004	46116004	4x2x1.50mm²	11.9	112.1	201
46115007	46116007	7x2x1.50mm²	14.6	195.6	376

Part Number J-Y(St)Y…Lg	Part Number J-H(St)H…Lg	Number of cores x Conductor Diameter (mm)	Cable Diameter (mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
0.60 mm Indoor Telephone Cables					
55060001	56060001	1x2x0.60	3.7	6.3	19
55060002	56060002	2x2x0.60	4.1	11.5	34
55060003	56060003	3x2x0.60	5.2	17.0	43
55060004	56060004	4x2x0.60	5.8	23.0	52
55060005	56060005	5x2x0.60	6.1	28.0	60
55060006	56060006	6x2x0.60	6.5	33.0	69
55060008	56060008	8x2x0.60	7.0	44.0	86
55060010	56060010	10x2x0.60	8.0	55.0	106
55060012	56060012	12x2x0.60	8.5	66.2	123
55060014	56060014	14x2x0.60	9.2	78.0	140
55060016	56060016	16x2x0.60	9.6	87.8	153
55060020	56060020	20x2x0.60	10.3	111.0	185
55060030	56060030	30x2x0.60	12.5	166.0	270
55060050	56060050	50x2x0.60	16.0	268.0	430
0.80 mm Indoor Telephone Cables					
55080001	56070001	1x2x0.80	4.9	10.5	30
55080002	56070002	2x2x0.80	5.5	20.0	48
55080003	56070003	3x2x0.80	7.6	29.7	73
55080004	56070004	4x2x0.80	8.2	39.0	93
55080005	56070005	5x2x0.80	9.0	50.0	111
55080006	56070006	6x2x0.80	9.9	56.5	129
55080008	56070008	8x2x0.80	10.5	76.0	163
55080010	56070010	10x2x0.80	12.4	96.0	205
55080012	56070012	12x2x0.80	12.7	117.0	235
55080014	56070014	14x2x0.80	13.7	136.0	265
55080016	56070016	16x2x0.80	14.5	151.0	300
55080020	56070020	20x2x0.80	15.6	193.0	365
55080030	56070030	30x2x0.80	18.7	290.0	545
55080050	56070050	50x2x0.80	24.5	485.0	875

The cable weight can be slightly higher for J-H(St)H...Lg cables.

PDV, PDV-K



Application

These indoor telephone cables are used in subscriber and switchboard system.

Construction

Conductor	Electrolytic Annealed Solid Copper Wire for PDV – Solid Tinned Copper Wire for PDV-K (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	PE (EN 50290-2-21, HD 21.1 S4 TI1, VDE 0207 YI1)Color Code (See Technical Data Table-5)
Lay-up	(See Technical Data - Table 5)
Drain Wire	Insulated (white color with red ring color) solid annealed copper
Separator	Polyester Tape
Sheath	PVC (EN 50290-2-22, HD 21.1.S4 TM 1, VDE 0207 YM 1) Sheath Color RAL 7032 Grey
Standard Packing	100 m. Roll, 500 and 1000 m. Spool
Reference Standards	TS 2814, IEC 60189-2
Flame Test	TS/ IEC / EN 60332-1

Technical and Electrical Properties (20 °C)

Operating Voltage	250 V
Test Voltage	1000 V
Conductor Resistance	97.8 Ω / km
Capacitance Unbalance	400 pF / km
Impedance	100±15
Insulation Resistance	> 5000 M.Ω x km
Temperature Range	-30 °C... +70 °C
Min. Bending Radius	7.5 x Cable Diameter

PART NUMBER PDV	PART NUMBER PDV-K	NUMBER OF CORES x COND.DIA.(mm)	CABLE DIAMETER (mm)	COPPER WEIGHT (Kg/Km)	CABLE WEIGHT (Kg/Km)
42050001	42150001	1x2x0.50+0.50	2.60	5.4	12.0
42050002	42150002	2x2x0.50+0.50	3.40	9.0	18.0
42050003	42150003	3x2x0.50+0.50	3.75	12.7	24.0
42050004	42150004	4x2x0.50+0.50	4.45	16.0	31.0
42050006	42150006	6x2x0.50+0.50	5.05	23.0	43.0
42050010	42150010	10x2x0.50+0.50	6.30	37.0	67.0
42050020	42150020	20x2x0.50+0.50	9.35	73.0	125.0
42050030	42150030	30x2x0.50+0.50	10.50	110.0	180.0
42050050	42150050	50x2x0.50+0.50	12.80	182.0	280.0
42050100	42150100	100x2x0.50+0.50	17.80	362.0	525.0
42050150	42150150	150x2x0.50+0.50	22.40	545.0	775.0
42050200	42150200	200x2x0.50+0.50	25.85	726.0	1025.0

VBAPV, VBAPV-K

Application

These indoor shielded telephone cables are used in subscriber and switchboard system.

Construction

Conductor	Electrolytic Annealed Solid Copper Wire for VBAPV – Solid Tinned Copper Wire for VBAPV-K (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	PVC (EN 50290-2-21, HD 21.1 S4 TI1, VDE 0207 Yi1) Color Code (See Technical Data Table-5)
Lay-up	(See Technical Data - Table 5)
Separator	Polyester Tape
Drain Wire	0.50 mm Tinned Copper Wire
Shield	AL-PES foil 100 % Coverage
Sheath	PVC (EN 50290-2-22, HD 21.1.S4 TM1, VDE 0207 YM1) Sheath Color RAL 7032 Grey
Standard Packing	100 m. roll, 500 and 1000 m. Spool
Reference Standards	TS 2814, IEC 60189-2
Flame Test	TS/ IEC / EN 60332-1

Technical and Electrical Properties (20 °C)

Operating Voltage	250 V
Test Voltage	1000 V
Conductor Resistance	97.8 Ω / km
Mutual Capacitance	<120 nF / km
Capacitance Unbalance	<400 pF / 500 m
Insulation Resistance	> 500 M.Ω x km
Temperature Range	-30 °C... +70 °C
Min. Bending Radius	7.5 x Cable Diameter

Part Number VBAPV	Part Number VBAPV-K	Number of cores x Cond.Dia.(mm)	Cable Diameter (mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
41050001	41150001	1x2x0.50+0.50	3.20	5.4	14.3
41050002	41150002	2x2x0.50+0.50	3.90	9.0	21.0
41050003	41150003	3x2x0.50+0.50	4.40	12.7	31.0
41050004	41150004	4x2x0.50+0.50	4.90	16.0	36.0
41050006	41150006	6x2x0.50+0.50	5.50	23.0	51.0
41050010	41150010	10x2x0.50+0.50	6.70	37.0	75.0
41050020	41150020	20x2x0.50+0.50	10.20	73.0	141.0
41050030	41150030	30x2x0.50+0.50	11.10	110.0	197.0
41050050	41150050	50x2x0.50+0.50	13.60	182.0	316.0
41050100	41150100	100x2x0.50+0.50	19.40	362.0	605.0

VBV, VBV-K

Application

These indoor telephone cables are used in subscriber and switchboard system.

Construction

Conductor	Electrolytic Annealed Solid Copper Wire for VBV – Solid Tinned Copper Wire for VBV-K (TS / EN / IEC 60228, TS / EN / IEC 13601/13602)
Insulation	PVC (EN 50290-2-21, HD 21.1 S4 TI1, VDE 0207 YI1)Color Code (See Technical Data Table-5)
Lay-up	(See Technical Data - Table 5)
Drain Wire	Insulated (white color with red ring color) solid annealed copper
Separator	Polyester Tape
Sheath	PVC (EN 50290-2-22, HD 21.1.S4 TM 1, VDE 0207 YM 1) Sheath Color RAL 7032 Grey
Standard Packing	100 m. Roll, 500 and 1000 m. Spool
Reference Standards	TS 2814, IEC 60189-2
Flame Test	TS/ IEC / EN 60332-1

Technical and Electrical Properties (20 °C)

Operating Voltage	250 V
Test Voltage	1000 V
Conductor Resistance	97.8 Ω / km
Mutual Capacitance	<120 nF / km
Capacitance Unbalance	<400 pF / 500 m
Insulation Resistance	> 500 M.Ω x km
Temperature Range	-30 °C... +70 °C
Min. Bending Radius	7.5 x Cable Diameter

Part Number VBV	Part Number VBV-K	Number of cores x Cond.Dia.(mm)	Cable Diameter (mm)	Copper Weight (Kg/Km)	Cable Weight (Kg/Km)
40050001	40150001	1x2x0.50+0.50	3.10	5.4	13.0
40050002	40150002	2x2x0.50+0.50	3.80	9.0	19.5
40050003	40150003	3x2x0.50+0.50	4.30	12.7	29.0
40050004	40150004	4x2x0.50+0.50	4.80	16.0	34.0
40050006	40150006	6x2x0.50+0.50	5.40	23.0	48.5
40050010	40150010	10x2x0.50+0.50	6.60	37.0	72.0
40050020	40150020	20x2x0.50+0.50	10.10	73.0	138.0
40050030	40150030	30x2x0.50+0.50	11.00	110.0	194.0
40050050	40150050	50x2x0.50+0.50	13.50	182.0	300.0
40050100	40150100	100x2x0.50+0.50	19.30	362.0	600.0
40050150	40150150	150x2x0.50+0.50	24.40	545.0	880.0
40050200	40150200	200x2x0.50+0.50	28.10	726.0	1149.0