



Essential Electrical Cables



Introduction

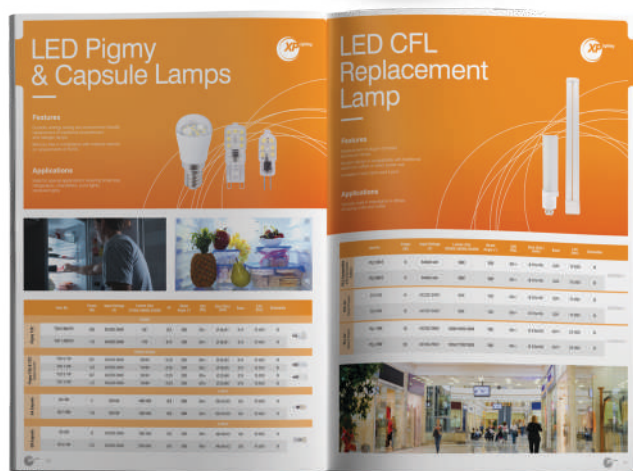
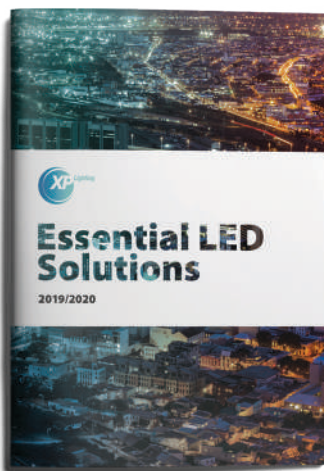
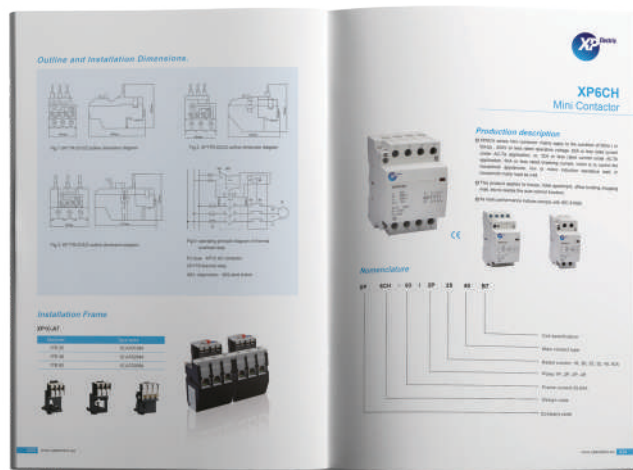
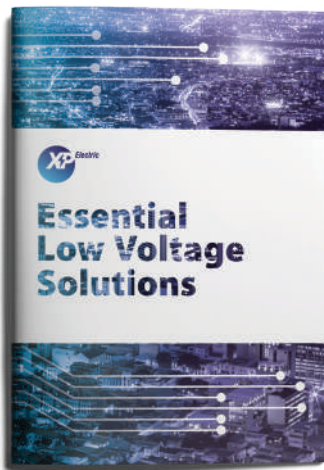
XP products were established in 2015 with the vision to provide reliable and affordable electrical products that fulfill the needs of our customers in terms of value and performance.

Today XP represents a true premium economy choice in the fields of lighting, power controls, appliances and cables. Our distributors can provide a one stop shop for consumers, traders, expert electricians and institutions.

Our suppliers are rigorously selected with a clear track record of supplying high quality products to the global market and the most well known brands in the industry.

Our essential range of electrical cables are harmonized base as H05VV-F, H05V-K, H07V-K, H07V-U, H07V-R, NYY and NYM. We produce in ISO9001:2000 certified plants to guarantee the quality of our products and meet the expectations set for the XP brand and logo.

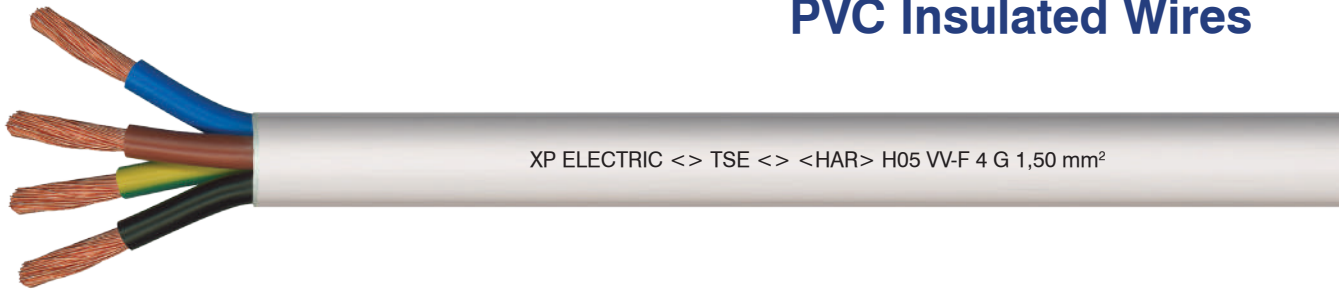
We are confident you will be satisfied with XP products and encourage you to check out our full product portfolio.



H05VV-F • A05VV-F • IEC 71-C

Flexible cables with two to four PVC insulated cores with finely stranded copper conductors, PVC outer sheath

PVC Insulated Wires



XP ELECTRIC <> TSE <> <HAR> H05 VV-F 4 G 1,50 mm²

Application

In dry rooms, in apparatus, switch and distribution boards, for laying in conduit on and under plaster and on insulating supports above plaster.

Construction

- 1-Conductor: **Copper**
- 2-Insulation: **PVC**
- 3-Outer Sheath: **PVC**

Technical Data

Max. Operating temperature: **70°C**

Below current carrying capacity for 30°C ambient temperature.

Rated Voltage U0/U: **300 / 500 V - 450 / 750 V**

AC test voltage: **2kV 2,5kV**

DC test voltage: **5kV 5 kV**

Standards

TS EN 50525-2-11

TS IEC 60227-6

Rated Cross-Section	Overall Diameter of Cable (approx)	Net Weight (approx)	Conductor DC Resistance at 20°C	Current Carrying Capacity in Air
mm ²	mm	Kg / 1000 m	Ω / km	
2x0,75	6,6	65	26	6
2x1	6,9	74	19,5	10
2x1,5	7,4	90	13,3	15,5
2x2,5	9,1	138	7,98	19,5
2x4	10,50	180	4,95	26
2x6	11,70	234	3,3	33
2x10	15,40	426	1,91	45
2x16	18,30	620	1,21	61
2x25	22,60	947	0,78	83
3x0,75	6,9	74	26	6
3x1	7,3	86	19,5	10
3x1,5	7,9	107	13,3	15,5
3x2,5	9,6	163	7,98	19,5
3x4	11,50	230	4,95	26
3x6	12,40	293	3,3	33
3x10	16,40	527	1,91	45
3x16	19,70	780	1,21	61
3x25	24,50	1.217	0,78	83
3x35	26,30	1.560	0,554	103
3x50	32,20	2.250	0,386	132
4x0,75	7,5	88	26	6
4x1	7,9	102	19,5	10
4x1,5	8,9	135	13,3	15,5
4x2,5	10,9	206	7,98	19,5
4x4	12,5	280	4,95	26
4x6	13,8	376	3,3	33
4x10	18,3	676	1,91	45
4x16	22,3	1.020	1,21	61
4x25	27,3	1.560	0,78	83
4x35	29,1	1.994	0,554	103
4x50	35,6	2.886	0,386	132
5x1	8,6	122	19,5	10
7x1	10,1	170	19,5	10

PVC Insulated Wires Flat Cords Cables



Application

For household appliances under medium mechanical stresses, also in damp and wet spaces.

Construction

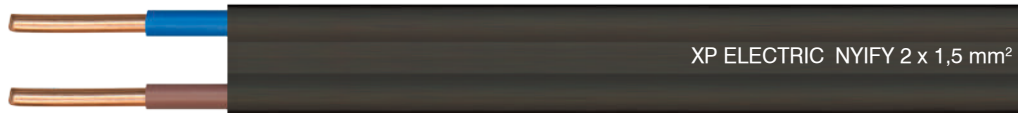
1-Conductor: **Copper**
2-Insulation: **PVC**

Size	Contuctor Construction	Insulated Thickness	Approximate Diameter (Approx)	Approximate Cable Weight (Approx)	Conductor Resistance at 20°C	Current Carrying Capacity in Air	Short Circuit Current At 1 Sec.
mm ²	adet / mm	mm	mm	kg / mm		ohm / km	amper
2 x 0,50	16 x 0,19	0,60	2,20 x 4,40	18	39,00	10,00	50,00
2 x 0,75	24 x 0,19	0,60	2,40 x 4,80	25	26,00	12,00	90,00

NYIFY-U • NYIFY-R • KAPOTEN

Flexible cables with two to four PVC insulated cores with finely stranded copper conductors, PVC outer sheath

PVC Insulated Capoten Cables



Application


Under medium mechanical stresses, under and above the plaster.

Construction

- 1-Conductor: **Copper**
- 2-Insulation: **PVC**
- 3-Outer Sheath: **PVC**

Size	Contuctor Construction	Insulated Thickness	Sheath Thickness	Approximate Diameter (Approx)	Approximate Cable Weight (Approx)	Conductor Resistance at 20°C	Current Carrying Capacity in Air	Short Circuit Current At 1 Sec.
mm ²	adet / mm	mm		mm	kg / mm		ohm / km	amper
2 x 1,5	1 x 1,37	0,40	0,80	3,80 x 10,60	60	12,10	16,00	185,00
3 x 1,5	1 x 1,37	0,40	0,80	3,80 x 17,50	140	12,10	16,00	185,00
4 x 1,5	1 x 1,37	0,40	0,80	3,80 x 24,00	135	12,10	16,00	185,00
5 x 1,5	1 x 1,37	0,40	0,80	3,80 x 31,00	175	12,10	16,00	185,00
2 x 2,5	1 x 1,76	0,50	0,90	4,60 x 12,00	90	7,41	21,00	275,00
3 x 2,5	1 x 1,76	0,50	0,90	4,60 x 19,50	140	7,41	21,00	275,00
4 x 2,5	1 x 1,76	0,50	0,90	4,60 x 27,00	200	7,41	21,00	275,00
5 x 2,5	1 x 1,76	0,50	0,90	4,60 x 34,50	255	7,41	21,00	275,00

PVC Insulated Wires


 XP ELECTRIC <> TSE <> <HAR> H07V-K 1,50 mm²

Application

For protected installation in equipment and lighting fitting, also for in conduit, on and under plaster.

Construction

1-Conductor: **Copper**
2-Insulation: **PVC**

Technical Data

Max. Operating temperature: **70°C**

Below current carrying capacity for 30°C ambient temperature.

Rated Voltage U₀/U: **300 / 500 V - 450 / 750 V**

AC test voltage: **2kV - 2,5kV**

DC test voltage: **5kV - 5 kV**

Standards

TS EN 50525-2-31

	Rated Cross-Section	Overall Diameter of Cable (approx)	Net Weight (approx)	Conductor DC Resistance at 20°C	Current Carrying Capacity in	
					Conduit	Air
	mm ²	mm	Kg / 1000 m	Ω / km	A	A
H05V-K	0,5	2	8,5	39	-	12
	0,75	2,3	11	26	-	15
	1	2,5	14	19,5	11	19
H07V-K	1,5	2,7	19	13,3	15,5	24
	2,5	3,4	30	7,98	19,5	32
	4	4,1	46	4,95	26	42
	6	4,5	63	3,3	34	54
	10	6,2	114	1,91	46	73
	16	7,5	171	1,21	61	98
	25	9,5	267	0,78	80	129
	35	11,0	635	0,554	99	158
	50	13	520	0,386	119	198
	70	14,9	714	0,272	151	245
	95	17,0	939	0,206	182	292
120	18,9	1182	0,161	210	344	

H05V-U • H07V-U • H07V-R

PVC insulated wires with solid or stranded copper conductors

PVC Insulated Wires



Application

In dry rooms, in apparatus, switch and distribution boards, for laying in conduit on and under plaster and on insulating supports above plaster.

Construction

- 1-Conductor: **Copper**
- 2-Insulation: **PVC**

Technical Data

Max. Operating temperature: **70°C**

Below current carrying capacity for 30°C ambient temperature.

Rated Voltage U₀/U: **300 / 500 V - 450 / 750 V**

AC test voltage: **2kV - 2,5kV**

DC test voltage: **5kV - 5 kV**

Standards

TS EN 50525-2-31

	Rated Cross-Section	Overall Diameter of Cable (approx)	Net Weight (approx)	Conductor DC Resistance at 20°C	Current Carrying Capacity in	
					Conduit	Air
	mm ²	mm	Kg / 1000 m	Ω / km	A	A
H05V-U	0,5	2	8,5	36	-	12
	0,75	2,2	12	24,5	-	15
	1	2,4	14	18,1	-	19
H07V-U	1,5	2,6	19	12,1	15,5	24
	2,5	3,2	30	7,41	19,5	32
	4	3,9	46	4,61	26	42
	6	4,3	64	3,08	34	54
H07V-R	10	5,5	108	1,83	46	73
	16	7,0	172	1,15	61	98
	25	8,3	261	0,727	80	129
	35	9,4	354	0,524	99	158
	50	10,9	483	0,387	119	198
	70	12,5	676	0,268	151	245
	95	14,6	933	0,193	182	292
	120	16,0	1162	0,153	210	344
	150	17,8	1435	0,124	-	391
185	20,0	1795	0,0991	-	448	
240	22,9	2325	0,0754	-	528	

PVC Insulated Wires

XP ELECTRIC <> TSE <> TS IEC 60502-1 YVV-R 4 x 16 mm²

Application

Preferably for installation indoors, in cable ducts and in industrial plants or switching stations, underground installation with additional protection where mechanical damage must be unexpected.

Construction

- 1-Conductor: **Copper**
- 2-Insulation: **PVC**
- 3-Filler: **PVC**
- 4-Outer Sheat: **PVC**

Technical Data

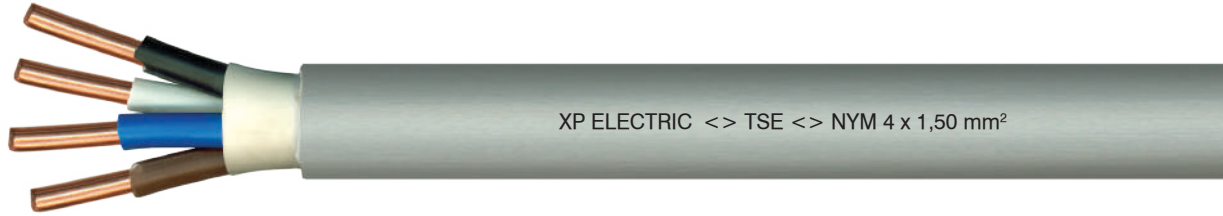
Max. Operating temperature: **70°C**
 Max. short circuit temperature: **160°C**.
Below current carrying capacity at Earth temperature 20 <°C>, free air temperature 30 <°C>, 1 K.m/W and 0,7 continuous loading.
 Rated Voltage U0/U: **0,6 / 1 kV**
 AC test voltage: **3,5kV**
 DC test voltage: **8,4 kV**

Standards

TS IFC 60502-1

Rated Cross-Section	Overall Diameter of Cable (approx)	Net Weight (approx)	Conductor DC Resistance at 20°C	Current Carrying Capacity in	
				Conduit	Air
mm ²	mm	Kg / 1000 m	Ω / km	A	A
3 x 16/10	21,0	955	1,15	98	80
3 x 25/16	23,5	1370	0,727	128	106
3 x 35/16	25,9	1740	0,524	157	131
3 x 50/25	29,6	2330	0,387	185	159
3 x 70/35	33,6	3200	0,268	228	202
3 x 95/50	38,7	4330	0,193	275	244
3 x 120/70	42,9	5470	0,153	313	282
3 x 150/70	46,1	6450	0,124	353	324
3 x 185/95	52,0	8180	0,0991	399	371
3 x 240/120	59,0	10620	0,0754	464	436
4 x 1,5	12,8	266	12,1	26	18,5
4 x 2,5	14,2	343	7,41	34	25
4 x 4	15,8	448	4,61	44	34
4 x 6	17,0	554	3,08	56	43
4 x 10	18,9	760	1,83	75	60
4 x 16	21,1	1030	1,15	98	80
4 x 25	25,0	1515	0,727	128	106
4 x 35	27,7	1970	0,524	157	131
4 x 50	31,5	2610	0,387	185	159
4 x 70	37	3500	0,268	228	202
4 x 95	42	4700	0,193	275	244
4 x 120	46	5750	0,153	313	282
4 x 150	51	7100	0,124	353	324
4 x 185	56	8800	0,0991	399	371
4 x 240	64	11500	0,0754	464	436

PVC Insulated Wires



Application

In dry rooms, in locations and store rooms subject to fire and explosion hazards, as well as for outdoor use, but not for laying in the ground. For permanent installation clear from or on plaster as well as in or under plaster.

Construction

- 1-Conductor: **Copper**
- 2-Insulation: **PVC**
- 3-Filler: **PVC**
- 4-Outer Sheat: **PVC**

Technical Data

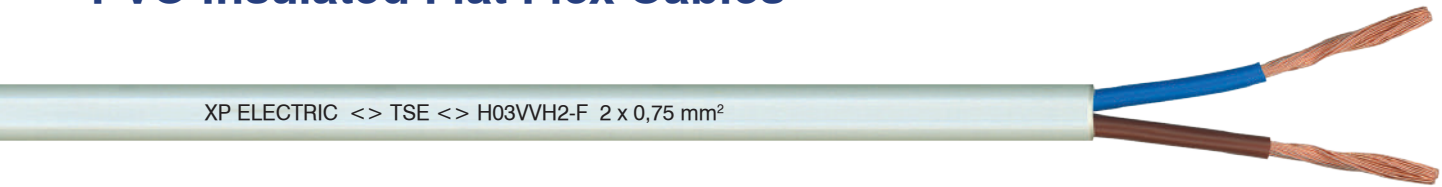
Max. Operating temperature: **70°C**
 Max. short circuit temperature: **160°C**.
Below current carrying capacity for 30°C ambient temperature.
 Rated Voltage U0/U: **300 / 500 V**
 AC test voltage: **2 kV**
 DC test voltage: **5 kV**

Standards

TS HD 21.4 S2

Rated Cross-Section	Overall Diameter of Cable (approx)	Net Weight (approx)	Conductor DC Resistance at 20°C	Current Carrying Capacity in Air
mm ²	mm	Kg / 1000 m	Ω / km	
2 x 1,5	8,7	127	12,1	15,5
2 x 2,5	9,9	11	7,41	19,5
2 x 4	11,2	231	4,61	26
2 x 6	12,2	291	3,08	34
2 x 10	15,4	473	1,83	46
2 x 16	18,4	698	1,15	61
3 x 1,5	9,1	146	12,1	15,5
3 x 2,5	10,4	200	7,41	19,5
3 x 4	11,8	274	4,61	26
3 x 6	13,13	365	3,08	34
3 x 10	16,3	575	1,83	46
3 x 16	19,9	88	1,15	61
4 x 1,5	9,8	11	12,1	15,5
4 x 2,5	11,2	236	7,41	19,5
4 x 4	13,2	342	4,61	26
4 x 6	14,5	45	3,08	34
4 x 10	1,6	693	1,83	46
4 x 16	22,1	1079	1,15	61
5 x 1,5	11	210	12,1	15,5
5 x 2,5	12,6	290	0,41	19,5
5 x 4	14,4	400	4,61	26
5 x 6	15,6	530	3,08	34
5 x 10	20,6	870	1,83	46
5 x 16	23,9	1260	1,15	61

PVC Insulated Flat Flex Cables



Application

In dry, damp and wet locations as flexible connecting cables for light mechanical stresses. It is used for hand tools and household appliances with flat shape.

Construction

- 1-Conductor: **Copper**
- 2-Insulation: **PVC**
- 3-Outer Sheat: **PVC**

Technical Data

Max. Operating temperature: **70°C**
 Rated Voltage U0/U: **300 / 500 V**

Standards

TS EN 50525-2-11

Rated Cross-Section	Copper Conductor	Insulation Thickness	Sheath Thickness	Net Weight (approx)
mm ²		mm	mm	(kg / km)
H03VVH2 - F 300 / 300 V				
2 x 0,50	16 x 0,19	0,50	0,6	36
2 x 0,75	24 x 0,19	0,50	0,6	46
3 x 0,50	16 x 0,19	0,50	0,6	45
3 x 0,75	24 x 0,19	0,50	0,6	56
4 x 0,50	16 x 0,19	0,50	0,6	55
4 x 0,75	24 x 0,19	0,50	0,6	70

IEC 71-F • H07VVH6-F

Flexible cables with two to four PVC insulated cores with fine stranded copper conductors, PVC outer sheath

KASAB KABLO <> TSE <HAR> IEC 71-F 3 x 10 mm²

PVC Insulated Wires



XP ELECTRIC <> TSE <HAR> IEC 71-F 3 x 10 mm²

Application

For household appliances (Refrigerators, spin dryers, etc) under medium mechanical stresses, also in damp and wet spaces.

Construction

- 1-Conductor: **Copper**
- 2-Insulation: **PVC**
- 3-Outer Sheat: **PVC**

Technical Data

Max. Operating temperature: **70°C**

Below current carrying capacity for 30°C ambient temperature.

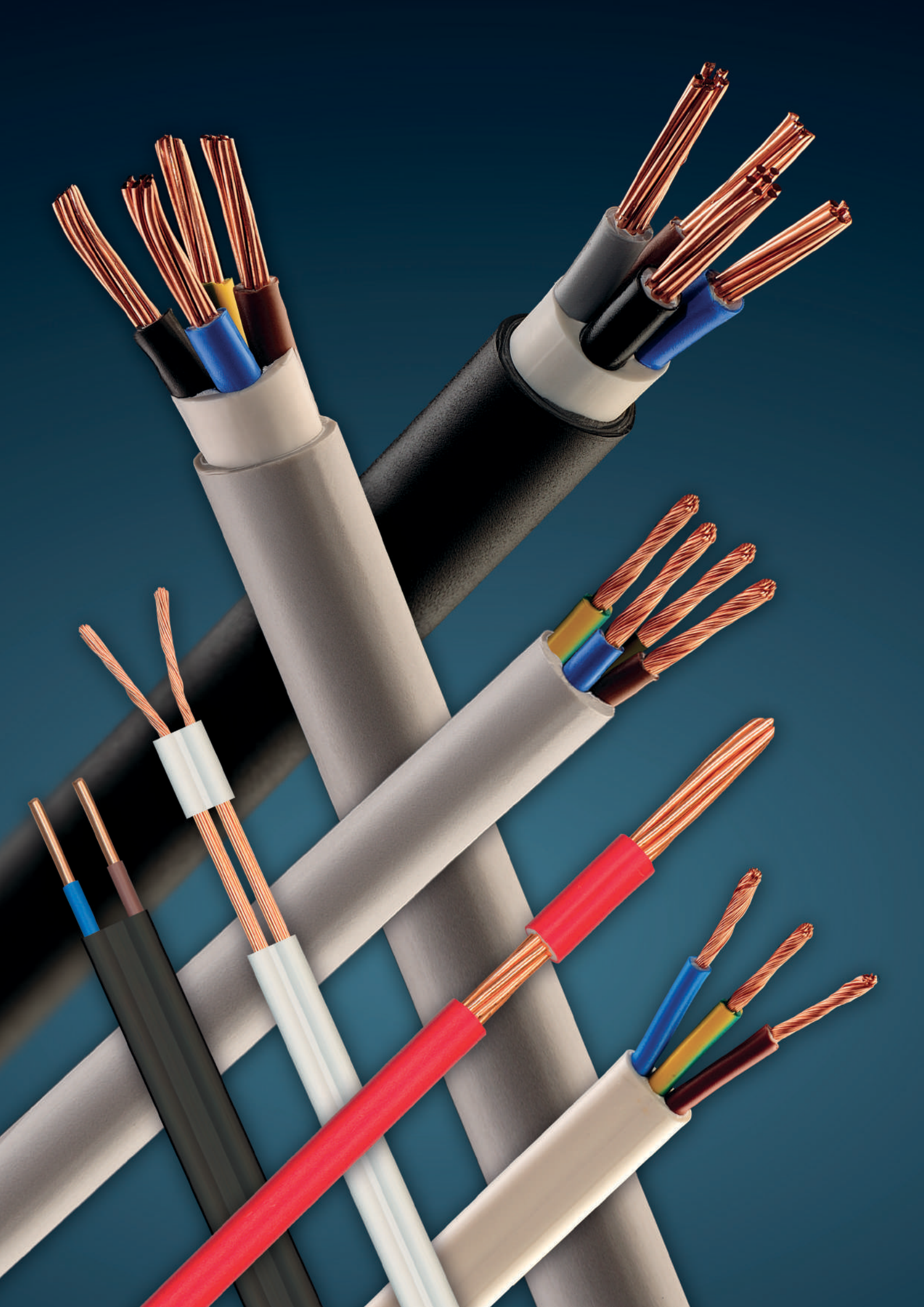
Rated Voltage U0/U: **300 / 500 V - 450 / 750 V**

AC test voltage: **2,5 kV**

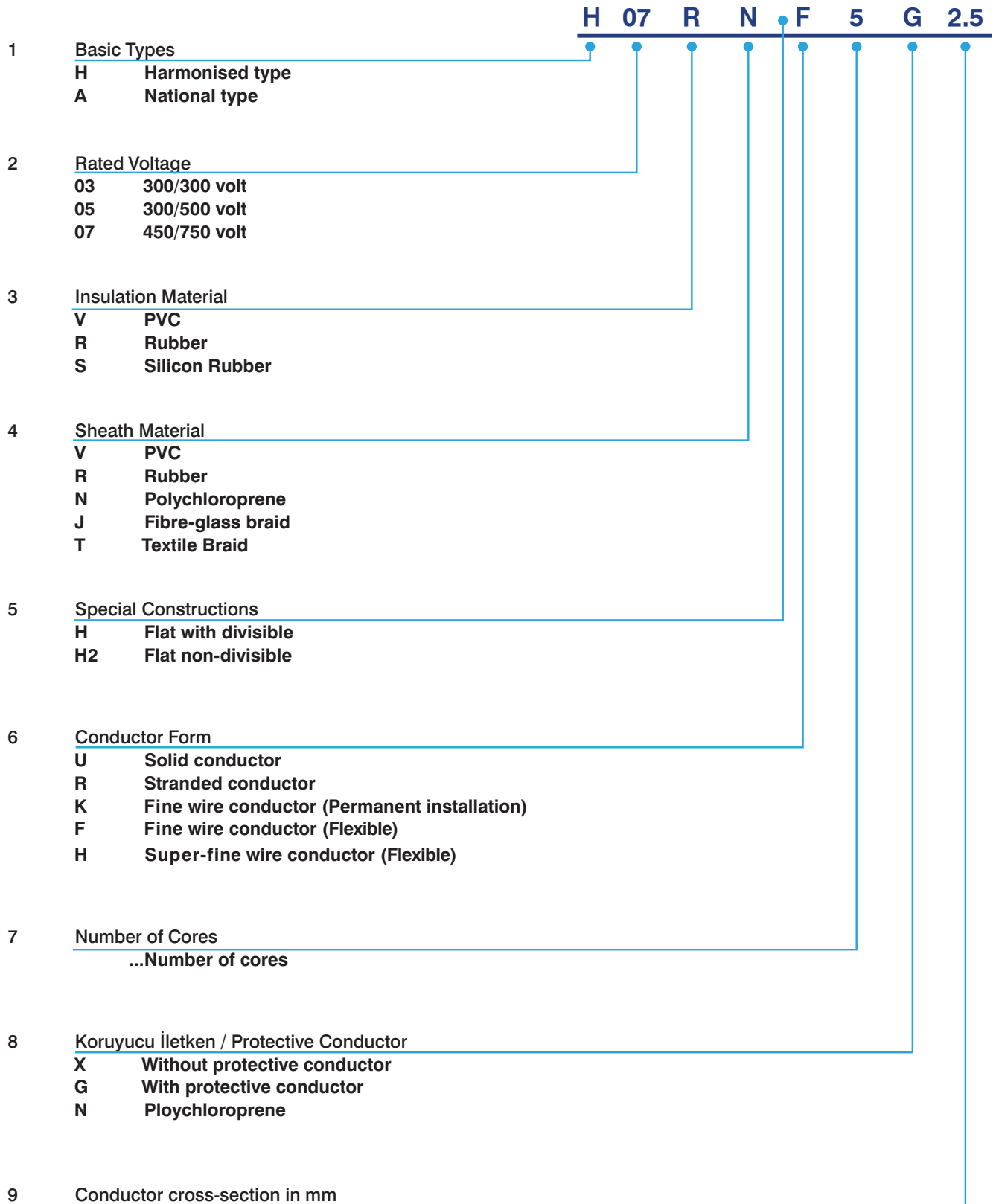
Standards

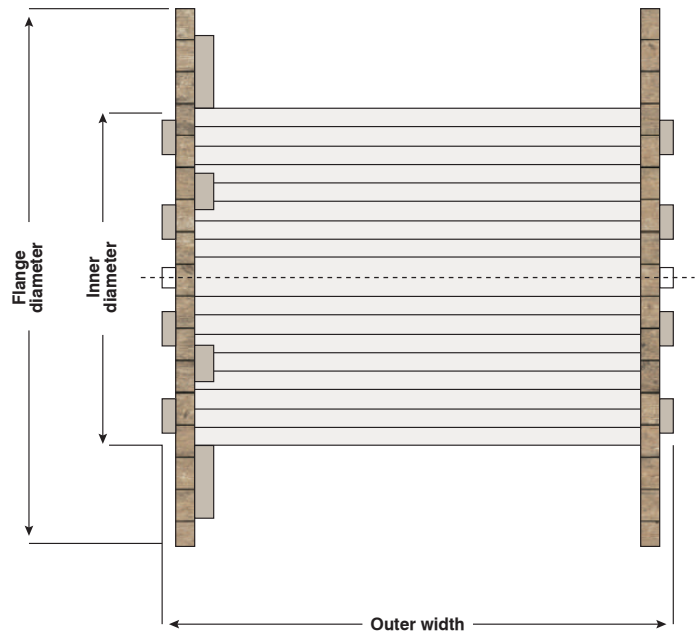
TS IEC 60227-6

Rated Cross-Section	Overall Diameter of cable (approx)	Net Weight (approx)	Conductor DC resistance at 20°C	Current Carrying Capacity in Air
mm ²	mm	Kg / 1000 m	Ω / km	
3 x 1,5	6 x 11,7	115	13,3	15,5
3 x 2,5	6,6 x 14,4	173	7,98	19,5
3 x 4	7,3 x 15,9	225	4,95	26
3 x 6	7,9 x 17,7	300	3,3	34
3 x 10	9,7 x 21,9	480	1,91	46
3 x 16	11,6 x 27,3	700	1,21	61
3 x 25	13,6 x 32,8	1000	0,78	80
4 x 1,5	6 x 14,6	160	13,3	15,5
4 x 2,5	6,6 x 18	235	7,98	19,5
4 x 4	7,3 x 20	310	4,95	26
4 x 6	7,9 x 22,4	410	3,3	34
4 x 10	9,7 x 28	660	1,91	46
4 x 16	11,6 x 33,4	975	1,21	61
4 x 25	13,6 x 40,6	1430	0,78	80
3 x 16+4	11,6 x 33,4	900	1,21 / 1,91	61
325+16	13,6 x 40,6	1330	0,780 / 1,21	80
12 x 0,75	4,2 x 33,2	275	26	6
14 x 0,75	4,2 x 38,4	305	26	6
16 x 0,75	4,2 x 43,6	350	26	6
18 x 0,75	4,2 x 48,3	395	26	6
20 x 0,75	4,2 x 54	450	26	6
24 x 0,75	4,2 x 64,4	550	26	6



Cable Designation for Harmonised Cable Symbols and Explanations in Harmonise System





Dimension Weights Of Drums

Drum Type	Flange Diameter	Inner Diameter	Outer Width	Weight of Emty Drum
cm	mm	mm	mm	kg
61	600	350	540	50
81	800	430	720	70
101	1000	480	720	90
121	1200	600	800	120
141	1400	710	900	170
161	1600	1000	1120	300
162	1600	1000	1120	300
181	1800	1000	1140	370
182	1800	1250	1140	390
201	2000	1200	1170	500
202	2000	1400	1170	530
221	2240	1400	1520	690
222	2240	1600	1520	750
241	2400	1600	1540	830
242	2400	1800	1540	890
261	2600	1600	1710	1130
262	2600	1800	1710	1190
281	2800	1800	1730	1280
282	2800	1800	1930	1380
301	3000	1800	1750	1390
302	3000	1800	1840	1500
303	3000	2240	1840	1550

We will be also happy to supply your business with armoured cables.



And overhead aluminium cables.



Please send your inquiry to info@xpelectric.eu or contact your local XP dealer.



EXPORT LIGHT KFT.

Address:

33. Fenyősor utca,
2049 Diósd, Hungary
European Union

www.xpelectric.eu
info@xpelectric.eu

