

## Fluoroplastic Insulated High Temperature Resistant Control Cable

### ◆ Standard

Fluoroplastic Insulated high temperature resistant control cable is manufactured according to Q/320412HLC008.

### ◆ Application

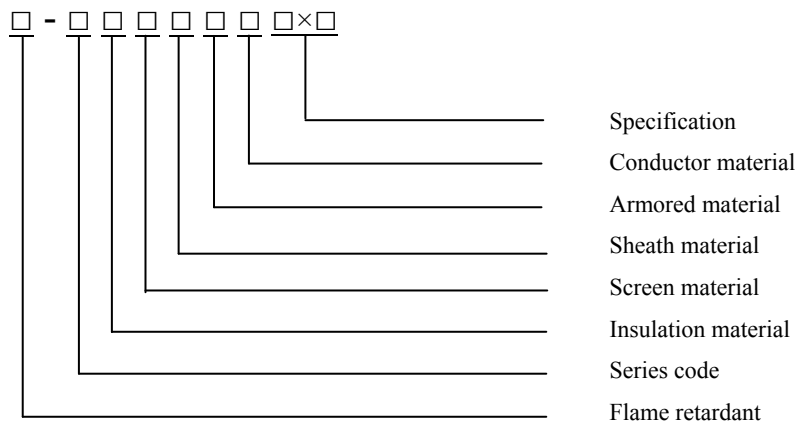
This product is suitable for the control, monitor circuit, protective circuit of AC rated voltage up to and including 450/750V. It adopts F<sub>4</sub> insulated and sheathed, so it has fine performance like anti-high temperature and low temperature, anti-acid and alkali, anti-oil, no burning, etc., it is suitable for basic construction items of significant project of national supporting industry like power, petrol, chemical, metallurgy and where is hot and harsh, to be used as the transmission wire of electrical appliances, instrument and automatic control system, the long time working temperature is -40°C-275°C.

### ◆ Code and Explanation

Table 1

Item	Code	Explanation
Insulated material	F	F <sub>46</sub>
Sheathed material	F	F <sub>46</sub>
	V	Flame retardant PVC
Shielded material	P	Copper wire braid
	P <sub>1</sub>	Tinned copper wire braid
	P <sub>2</sub>	Cu tape wrapped
	P <sub>3</sub>	Aluminum/plastic laminate-tape wrapped
Conductor	A	Solid conductor
	B	Stranded conductor
	R	Multi-stranded conductor
Armor	22	Steel tape armored
	31	Steel wire braid armored
	32	Steel wire armored
Specification	No. of cores × nominal section of conductor	

### 2. Type Specification



Note: for armored cable outer diameter added 4mm in following table.

## ◆ Type and Name, Structure and Diameter

### 1. Type and Name (Table 2)

Table 2

No.	Type	Name
1	KFF	Fluoroplastic insulated and sheathed control cable
2	KFFP	Fluoroplastic insulated and sheathed copper wire braid control cable
3	KFFR	Fluoroplastic insulated and sheathed control flexible cable
4	KFFRP	Fluoroplastic insulated and sheathed copper wire braid control flexible cable
5	KFFP <sub>2</sub>	Copper conductor Fluoroplastic insulated and sheathed copper tape screened control cable
6	KFFRP <sub>2</sub>	Copper conductor Fluoroplastic insulated and sheathed copper tape screened control flexible cable
7	KFV	Fluoroplastic insulated PVC sheathed control cable
8	KFVP	Fluoroplastic insulated PVC sheathed copper wire braid control cable
9	KFVR	Fluoroplastic insulated PVC sheathed control flexible cable
10	KFVRP	Fluoroplastic insulated PVC sheathed copper wire braid control flexible cable
11	KFV <sub>22</sub>	Fluoroplastic insulated PVC sheathed steel tape armored control cable
12	KFVP <sub>22</sub>	Fluoroplastic insulated PVC sheathed steel tape armored copper wire braid control cable
13	KFVR <sub>22</sub>	Fluoroplastic insulated PVC sheathed steel tape armored control flexible cable
14	KFVRP <sub>22</sub>	Fluoroplastic insulated PVC sheathed steel tape armored copper wire braid control cable
15	KFFV <sub>22</sub>	Fluoroplastic insulated and inner sheathed PVC outer sheathed steel tape armored control cable
16	KFFRV <sub>22</sub>	Fluoroplastic insulated and inner sheathed PVC outer sheathed steel tape armored control flexible cable
17	KFVP <sub>1</sub>	Fluoroplastic insulated PVC sheathed tinned copper wire braid control cable
18	KFVP <sub>2</sub>	Fluoroplastic insulated PVC sheathed tinned copper tape screened control cable
19	KFVP <sub>3</sub>	Fluoroplastic insulated PVC sheathed Aluminum/plastic laminate-tape screened control cable

### 2. Structure and Diameter (Table 3~4)

Table 3

Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
2×0.5	A	1/0.80	0.35	4.8	5.6
	B	7/0.30		5.0	5.8
	R	16/0.20		5.2	6.0
2×0.75	A	1/0.97	0.4	5.2	6.0
	B	7/0.37		5.8	6.8
	R	24/0.20		6.1	7.2

Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
2×1.0	A	1/1.13	0.4	5.8	6.6
	B	7/0.43		6.2	7.2
	R	32/0.20		6.4	7.4
2×1.5	A	1/1.38	0.4	6.9	7.6
	B	7/0.52		7.3	8.0
	R	30/0.25		7.4	8.3
2×2.5	A	1/1.78	0.45	7.9	8.9
	B	7/0.68		8.5	9.5
	R	49/0.25		8.8	9.8
2×4.0	A	1/2.25	0.5	9.2	10.6
	B	7/0.85		9.5	11.0
	R	56/0.30		10.3	11.2
2×6.0	A	1/2.76	0.5	11.4	12.4
	B	7/1.04		11.5	12.5
	R	84/0.30		11.7	12.8
3×0.5	A	1/0.80	0.35	5.1	5.9
	B	7/0.30		5.3	6.1
	R	16/0.20		5.5	6.3
3×0.75	A	1/0.97	0.4	5.5	6.2
	B	7/0.37		6.1	7.1
	R	24/0.20		6.5	7.5
3×1.0	A	1/1.13	0.4	6.1	7.1
	B	7/0.43		6.5	7.5
	R	32/0.20		7.1	7.8
3×1.5	A	1/1.38	0.4	7.2	7.8
	B	7/0.52		7.7	8.6
	R	30/0.25		7.8	8.7
3×2.5	A	1/1.78	0.45	8.3	9.3
	B	7/0.68		9.1	10.2
	R	49/0.25		9.4	10.5
3×4.0	A	1/2.25	0.5	10.2	11.0
	B	7/0.85		10.6	11.4
	R	56/0.30		10.9	11.8
3×6.0	A	1/2.76	0.5	12.1	13.2
	B	7/1.04		12.4	13.4
	R	84/0.30		12.7	13.6
4×0.5	A	1/1.80	0.35	5.5	6.3
	B	7/0.30		5.8	6.8
	R	16/0.20		6.0	7.0

Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
4×0.75	A	1/0.97	0.4	6.0	7.0
	B	7/0.37		6.9	7.6
	R	24/0.20		7.3	8.0
4×1.0	A	1/1.13	0.4	6.9	7.6
	B	7/0.43		7.4	8.4
	R	32/0.20		7.7	8.6
4×1.5	A	1/1.38	0.4	7.9	8.8
	B	7/0.52		8.4	9.4
	R	30/0.25		8.6	9.6
4×2.5	A	1/1.78	0.45	9.2	10.3
	B	7/0.68		10.2	11.1
	R	49/0.25		10.5	11.4
4×4.0	A	1/2.25	0.5	11.2	12.0
	B	7/0.85		11.5	12.4
	R	56/0.30		11.9	13.0
4×6.0	A	1/2.76	0.5	12.8	13.9
	B	7/1.04		13.5	14.4
	R	84/0.30		13.9	14.8
5×0.5	A	1/0.80	0.35	6.0	7.0
	B	7/0.30		6.3	7.3
	R	16/0.20		6.9	7.6
5×0.75	A	1/0.97	0.4	6.9	7.6
	B	7/0.37		7.5	8.4
	R	24/0.20		8.0	8.9
5×1.0	A	1/1.13	0.4	7.5	8.4
	B	7/0.43		8.0	9.0
	R	32/0.20		8.4	9.4
5×1.5	A	1/1.38	0.4	8.6	9.6
	B	7/0.52		9.2	10.3
	R	30/0.25		9.4	10.5
5×2.5	A	1/1.78	0.45	10.2	11.1
	B	7/0.68		11.1	12.0
	R	49/0.25		11.4	12.5
5×4.0	A	1/2.25	0.5	12.6	13.4
	B	7/0.85		13.0	13.9
	R	24/0.20		13.3	14.2
5×6.0	A	1/2.76	0.5	14.4	15.3
	B	7/1.04		14.8	15.7
	R	84/0.30		15.2	16.1

Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
7×0.5	A	1/0.80	0.35	6.5	7.5
	B	7/0.30		7.1	7.8
	R	16/0.20		7.4	8.3
7×0.75	A	1/0.97	0.4	7.4	8.3
	B	7/0.37		8.1	9.1
	R	24/0.20		8.6	9.6
7×1.0	A	1/0.13	0.4	8.1	9.1
	B	7/0.43		8.7	9.7
	R	32/0.20		9.2	10.3
7×1.5	A	1/1.38	0.4	9.4	10.4
	B	7/0.52		10.2	11.1
	R	30/0.25		10.5	11.3
7×2.5	A	1/1.78	0.45	11.1	12.0
	B	7/0.68		12.1	13.2
	R	49/0.25		12.7	13.6
7×4.0	A	1/2.25	0.5	13.7	14.8
	B	7/0.85		14.1	15.0
	R	56/0.30		14.5	15.4
7×6.0	A	1/2.76	0.5	15.8	16.6
	B	7/1.04		16.2	17.1
	R	84/0.30		16.7	17.8
8×0.5	A	1/0.80	0.35	7.3	8.0
	B	7/0.30		7.5	8.5
	R	16/0.20		7.9	8.9
8×0.75	A	1/0.97	0.4	7.9	8.9
	B	7/0.37		8.7	9.7
	R	24/0.20		9.4	10.5
8×1.0	A	1/1.13	0.4	8.7	9.7
	B	7/0.43		9.5	10.6
	R	32/0.20		9.9	11.0
8×1.5	A	1/1.38	0.4	11.3	11.2
	B	7/0.52		11.0	11.9
	R	30/0.25		11.3	12.3
8×2.5	A	1/1.78	0.45	12.0	13.1
	B	7/0.68		13.3	14.2
	R	49/0.25		13.7	14.6
8×4.0	A	1/2.25	0.5	14.6	15.2
	B	7/0.85		15.3	15.7
	R	56/0.30		15.7	16.2

Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
8×6.0	A	1/2.76	0.5	16.5	17.2
	B	7/1.04		17.1	18.6
	R	84/0.30		18.3	19.3
10×0.5	A	1/0.80	0.35	8.4	9.4
	B	7/0.30		8.9	9.8
	R	16/0.20		9.3	10.4
10×0.75	A	1/0.97	0.4	9.3	10.4
	B	7/0.37		10.5	11.4
	R	24/0.20		11.1	12.0
10×1.0	A	1/1.13	0.4	10.5	11.4
	B	7/0.43		11.3	12.4
	R	32/0.20		11.7	12.8
10×1.5	A	1/1.38	0.4	12.1	13.2
	B	7/0.52		13.1	14.0
	R	30/0.25		13.4	14.3
10×2.5	A	1/1.78	0.45	14.3	15.2
	B	7/0.68		15.6	16.2
	R	49/0.25		16.1	17.0
10×4.0	A	1/2.25	0.5	17.7	18.8
	B	7/0.85		18.2	19.2
	R	56/0.30		19.7	19.7
10×6.0	A	1/2.76	0.5	19.9	21.0
	B	7/1.04		20.0	21.9
	R	84/0.30		21.7	22.6
12×0.5	A	1/0.80	0.35	8.7	9.7
	B	7/0.30		9.2	10.3
	R	16/0.20		9.6	10.7
12×0.75	A	1/0.97	0.4	9.6	10.7
	B	7/0.37		10.8	11.7
	R	24/0.20		11.5	12.6
12×1.0	A	1/1.13	0.4	10.8	11.7
	B	7/0.43		11.7	12.8
	R	32/0.20		12.1	13.2
12×1.5	A	1/1.38	0.4	12.6	13.5
	B	7/0.52		13.5	14.4
	R	30/0.25		13.8	14.7
12×2.5	A	1/1.78	0.45	14.7	15.6
	B	7/0.68		16.1	17.0
	R	49/0.25		16.6	17.7

Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
12×4.0	A	1/2.25	0.5	18.8	19.3
	B	7/0.85		19.0	19.8
	R	56/0.30		19.4	20.3
12×6.0	A	1/2.76	0.5	20.6	22.6
	B	7/1.04		21.1	22.9
	R	84/0.30		22.4	23.5
14×0.5	A	1/0.80	0.35	9.2	10.3
	B	7/0.30		9.6	10.7
	R	16/0.20		10.2	11.1
14×0.75	A	1/0.97	0.4	10.2	11.1
	B	7/0.37		11.3	12.4
	R	24/0.20		11.8	12.9
14×1.0	A	1/1.13	0.4	11.3	12.4
	B	7/0.43		12.4	13.3
	R	32/0.20		12.9	13.8
14×1.5	A	1/1.38	0.4	13.3	14.2
	B	7/0.52		14.2	15.1
	R	30/0.25		14.5	15.4
14×2.5	A	1/1.78	0.45	15.5	16.4
	B	7/0.68		16.9	18.0
	R	49/0.25		17.7	18.6
14×4.0	A	1/2.25	0.5	19.9	20.8
	B	7/0.85		20.4	21.3
	R	56/0.30		21.0	21.9
14×6.0	B	7/1.04	0.5	23.0	23.9
	R	84/0.30		23.8	24.7
16×0.5	A	1/0.80	0.35	9.7	10.8
	B	7/0.30		10.3	11.2
	R	16/0.20		10.8	11.7
16×0.75	A	1/0.97	0.4	10.8	11.7
	B	7/0.37		11.9	13.0
	R	24/0.20		12.9	13.8
16×1.0	A	1/1.13	0.4	11.9	13.0
	B	7/0.43		13.1	14.0
	R	32/0.20		13.6	14.5
16×1.5	A	1/1.38	0.4	14.0	14.9
	B	7/0.52		14.9	15.8
	R	30/0.25		15.3	16.2

Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
16×2.5	A	1/1.78	0.45	16.3	17.2
	B	7/0.68		17.7	19.1
	R	49/0.25		18.6	19.6
16×4.0	B	7/0.85	0.5	21.0	22.1
	R	56/0.30		21.6	22.5
19×0.5	A	1/0.80	0.35	10.3	11.3
	B	7/0.30		10.9	11.8
	R	16/0.20		11.3	12.4
19×0.75	A	1/0.97	0.4	11.3	12.4
	B	7/0.37		12.7	13.6
	R	24/0.20		13.5	14.4
19×1.0	A	1/1.13	0.4	12.7	13.6
	B	7/0.43		13.7	14.6
	R	32/0.20		14.3	15.2
19×1.5	A	1/1.38	0.4	14.7	15.6
	B	7/0.52		15.7	16.6
	R	30/0.25		16.1	17.0
19×2.5	A	1/1.78	0.45	17.2	18.3
	B	7/0.98		19.2	20.1
	R	49/0.25		19.8	20.7
19×4.0	B	7/0.85	0.5	22.2	23.3
	R	56/0.30		23.0	23.9
24×0.5	A	1/0.80	0.35	12.0	13.1
	B	7/0.30		12.8	13.7
	R	16/0.20		13.3	14.2
24×0.75	A	1/0.97	0.4	13.3	14.2
	B	7/0.37		14.7	15.6
	R	24/0.20		15.8	16.7
24×1.0	A	1/1.13	0.4	14.7	15.6
	B	7/0.43		16.0	16.9
	R	32/0.20		16.7	17.8
24×1.5	A	1/1.38	0.4	17.1	18.2
	B	7/0.52		18.5	19.5
	R	30/0.25		19.1	20.0
24×2.5	A	1/1.78	0.45	20.4	21.3
	B	7/0.68		22.4	23.5
	R	49/0.25		23.3	24.2
27×0.5	A	1/0.80	0.35	12.4	13.3
	B	7/0.30		13.0	13.9
	R	16/0.20		13.5	14.4



Core× nominal Section (mm <sup>2</sup> )	Conductor type		Insulation thickness (mm)	Max outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFF	KFFP
27×0.75	A	1/0.97	0.4	13.5	14.5
	B	7/0.37		15.1	16.0
	R	24/0.20		16.1	17.0
27×1.0	A	1/1.13	0.4	15.1	15.9
	B	7/0.43		16.3	17.2
	R	32/0.20		17.0	18.1
27×1.5	A	1/1.38	0.4	17.7	18.6
	B	7/0.52		19.1	20.0
	R	30/0.25		19.5	20.4
27×2.5	A	1/1.78	0.45	20.9	21.8
	B	7/0.68		23.1	24.0
	R	49/0.25		23.9	24.8

Table 4

Core × nominal Section mm <sup>2</sup>	Conductor type		Insulation thickness (mm)	Max. outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFV	KFVP
2×0.5	A	1/0.80	0.35	5.6	6.4
	B	7/0.30		5.8	6.6
	R	16/0.20		6.0	6.8
2×0.75	A	1/0.97	0.4	6.0	6.8
	B	7/0.37		6.6	7.6
	R	24/0.20		6.9	8.0
2×1.0	A	1/1.13	0.4	6.4	7.2
	B	7/0.43		6.8	7.8
	R	32/0.20		7.0	8.0
2×1.5	A	1/1.38	0.4	7.5	8.2
	B	7/0.52		7.9	8.6
	R	30/0.25		8.0	8.9
2×2.5	A	1/1.78	0.45	8.7	9.7
	B	7/0.68		9.3	10.3
	R	49/0.25		9.6	10.6
2×4.0	B	7/0.85	0.5	11.1	12.1
	R	56/0.30		12.1	12.4
2×6.0	B	7/1.04	0.5	12.4	13.7
	R	84/0.30		12.7	14.0
3×0.5	A	1/0.80	0.35	5.9	6.7
	B	7/0.30		6.1	6.9
	R	16/0.20		6.3	7.1

Core × nominal Section mm <sup>2</sup>	Conductor type		Insulation thickness (mm)	Max. outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFV	KFVP
3×0.75	A	1/0.97	0.4	6.3	7.0
	B	7/0.37		6.9	7.9
	R	24/0.20		7.3	8.3
3×1.0	A	1/1.13	0.4	6.7	7.7
	B	7/0.43		7.1	8.1
	R	32/0.20		7.7	8.4
3×1.5	A	1/1.38	0.4	8.2	8.8
	B	7/0.52		8.7	9.6
	R	30/0.25		8.8	9.7
3×2.5	A	1/1.78	0.45	9.1	10.1
	B	7/0.68		9.9	11.0
	R	49/0.25		10.2	11.3
3×4.0	B	7/0.85	0.5	11.9	12.8
	R	56/0.30		12.1	13.0
3×6.0	B	7/1.04	0.5	13.1	14.4
	R	84/0.30		13.7	15.8
4×0.5	A	1/1.80	0.35	6.3	7.1
	B	7/0.30		6.6	7.6
	R	16/0.20		6.8	7.8
4×0.75	A	1/0.97	0.4	6.6	7.6
	B	7/0.37		7.5	8.0
	R	24/0.20		7.9	8.8
4×1.0	A	1/1.13	0.4	7.7	8.4
	B	7/0.43		8.2	9.2
	R	32/0.20		8.5	9.4
4×1.5	A	1/1.38	0.4	8.7	9.6
	B	7/0.52		9.2	10.2
	R	30/0.25		9.4	10.4
4×2.5	A	1/1.78	0.45	10.0	11.1
	B	7/0.68		11.0	11.9
	R	49/0.25		11.3	12.2
4×4.0	B	7/0.85	0.5	12.7	13.8
	R	56/0.30		12.9	14.0
4×6.0	B	7/1.04	0.5	15.3	16.2
	R	84/0.30		15.7	16.6
5×0.5	A	1/0.80	0.35	6.6	7.4
	B	7/0.30		6.9	7.7
	R	16/0.20		7.5	8.2

Core × nominal Section mm <sup>2</sup>	Conductor type		Insulation thickness (mm)	Max. outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFV	KFVP
5×0.75	A	1/0.97	0.4	7.3	8.0
	B	7/0.37		7.9	8.8
	R	24/0.20		8.4	9.3
5×1.0	A	1/1.13	0.4	8.3	9.2
	B	7/0.43		8.7	9.8
	R	32/0.20		9.2	10.2
5×1.5	A	1/1.38	0.4	9.2	10.2
	B	7/0.52		9.8	10.9
	R	30/0.25		10.0	11.1
5×2.5	A	1/1.78	0.45	10.6	11.5
	B	7/0.68		11.5	12.8
	R	49/0.25		11.8	13.3
5×4.0	B	7/0.85	0.5	13.8	14.7
	R	24/0.20		15.6	15.0
5×6.0	B	7/1.04	0.5	15.6	16.5
	R	84/0.30		15.8	16.9
7×0.5	A	1/1.80	0.35	7.5	8.5
	B	7/0.30		7.8	8.8
	R	16/0.20		8.1	9.3
7×0.75	A	1/0.97	0.4	8.2	9.1
	B	7/0.37		8.9	9.9
	R	24/0.20		8.4	10.4
7×1.0	A	1/0.13	0.4	8.9	10.9
	B	7/0.43		9.5	11.5
	R	32/0.20		11.0	12.1
7×1.5	A	1/1.38	0.4	10.2	11.2
	B	7/0.52		11.0	11.9
	R	30/0.25		11.3	12.1
7×2.5	A	1/1.78	0.45	11.7	12.6
	B	7/0.68		12.7	13.8
	R	49/0.25		13.3	14.2
7×4.0	B	7/0.50	0.5	14.9	15.8
	R	56/0.30		15.3	15.3
7×6.0	B	7/1.04	0.5	17.0	17.9
	R	84/0.30		17.5	18.6
8×0.5	A	1/0.80	0.35	8.3	9.0
	B	7/0.30		8.5	9.5
	R	16/0.20		8.9	9.9

Core × nominal Section mm <sup>2</sup>	Conductor type		Insulation thickness (mm)	Max. outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFV	KFVP
8×0.75	A	1/0.97	0.4	8.7	9.7
	B	7/0.37		9.5	10.5
	R	24/0.20		10.2	11.3
8×1.0	A	1/1.13	0.4	9.5	10.5
	B	7/0.43		10.3	11.4
	R	32/0.20		10.7	11.8
8×1.5	A	1/1.38	0.4	10.9	11.8
	B	7/0.52		11.7	12.5
	R	30/0.25		11.9	12.9
8×2.5	A	1/1.78	0.45	12.8	13.9
	B	7/0.68		14.1	15.0
	R	49/0.25		13.9	16.8
8×4.0	B	7/0.85	0.5	16.3	17.2
	R	56/0.30		16.7	17.6
8×6.0	B	7/1.04	0.5	18.1	19.6
	R	84/0.30		19.3	20.3
10×0.5	A	1/0.80	0.35	8.8	10.2
	B	7/0.30		9.7	10.6
	R	16/0.20		10.1	11.2
10×0.75	A	1/0.97	0.4	9.9	11.0
	B	7/0.37		11.1	12.0
	R	24/0.20		11.7	12.6
10×1.0	A	1/1.13	0.4	11.1	12.0
	B	7/0.43		11.9	13.0
	R	32/0.20		12.3	13.4
10×1.5	A	1/1.38	0.4	13.1	14.2
	B	7/0.52		14.1	15.0
	R	30/0.25		14.4	15.3
10×2.5	A	1/1.78	0.45	15.1	16.0
	B	7/0.68		16.4	17.0
	R	49/0.25		16.9	17.8
10×4.0	B	7/0.85	0.5	19.6	20.6
	R	56/0.30		20.1	21.1
10×6.0	B	7/1.04	0.5	21.4	23.3
	R	84/0.30		23.1	24.0
12×0.5	A	1/0.80	0.35	9.5	10.5
	B	7/0.30		10.0	11.1
	R	16/0.20		10.4	11.5

Core × nominal Section mm <sup>2</sup>	Conductor type		Insulation thickness (mm)	Max. outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFV	KFVP
12×0.75	A	1/0.97	0.4	11.2	11.3
	B	7/0.37		11.4	12.3
	R	24/0.20		12.1	13.2
12×1.0	A	1/1.13	0.4	11.4	12.3
	B	7/0.43		12.3	13.4
	R	32/0.20		12.7	13.8
12×1.5	A	1/1.38	0.4	13.4	13.9
	B	7/0.52		14.3	15.2
	R	30/0.25		14.6	15.5
12×2.5	A	1/1.78	0.45	15.5	16.4
	B	7/0.68		16.9	17.8
	R	49/0.25		17.4	18.5
12×4.0	B	7/0.85	0.5	20.0	21.0
	R	56/0.30		20.6	21.5
12×6.0	B	7/1.04	0.5	22.8	24.7
	R	84/0.30		24.2	25.3
14×0.5	A	1/1.80	0.35	9.8	10.9
	B	7/0.30		10.2	11.3
	R	16/0.20		10.8	11.7
14×0.75	A	1/0.97	0.4	10.8	11.7
	B	7/0.37		11.9	13.0
	R	24/0.20		12.4	13.5
14×1.0	A	1/1.13	0.4	12.3	13.4
	B	7/0.43		13.4	14.3
	R	32/0.20		13.9	14.8
14×1.5	A	1/1.38	0.4	14.1	15.0
	B	7/0.52		15.0	15.9
	R	30/0.25		15.3	16.2
14×2.5	A	1/1.78	0.45	16.1	17.0
	B	7/0.68		17.5	18.6
	R	49/0.25		18.3	19.2
14×4.0	B	7/0.85	0.5	21.1	22.0
	R	56/0.30		21.6	22.5
14×6.0	B	7/1.04	0.5	24.8	25.7
	R	84/0.30		25.6	26.5
16×0.5	A	1/0.80	0.35	10.1	11.2
	B	7/0.30		10.7	11.6
	R	16/0.20		11.2	12.1

Core × nominal Section mm <sup>2</sup>	Conductor type		Insulation thickness (mm)	Max. outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFV	KFVP
16×0.75	A	1/0.97	0.4	11.6	12.5
	B	7/0.37		12.7	13.8
	R	24/0.20		13.7	14.6
16×1.0	A	1/1.13	0.4	12.7	13.8
	B	7/0.43		13.9	14.8
	R	32/0.20		14.4	15.3
16×1.5	A	1/1.38	0.4	14.8	15.7
	B	7/0.52		15.7	16.6
	R	30/0.25		16.1	17.0
16×2.5	A	1/1.78	0.45	16.9	17.8
	B	7/0.68		18.3	19.7
	R	49/0.25		19.2	20.2
16×4.0	B	7/0.85	0.5	22.2	23.3
	R	56/0.30		22.8	23.7
19×0.5	A	1/0.80	0.35	11.1	12.1
	B	7/0.30		11.7	12.6
	R	16/0.20		12.1	13.2
19×0.75	A	1/0.97	0.4	12.1	13.2
	B	7/0.37		13.5	14.4
	R	24/0.20		14.3	15.2
19×1.0	A	1/1.13	0.4	13.5	14.4
	B	7/0.43		14.5	15.4
	R	32/0.20		15.1	16.0
19×1.5	A	1/1.38	0.4	15.5	16.4
	B	7/0.52		16.5	17.4
	R	30/0.25		16.9	17.8
19×2.5	A	1/1.78	0.45	18.4	19.5
	B	7/0.68		20.4	21.3
	R	49/0.25		21.0	21.9
19×4.0	B	7/0.85	0.5	24.0	25.1
	R	56/0.30		24.8	25.7
24×0.5	A	1/0.80	0.35	12.8	13.9
	B	7/0.30		13.6	14.5
	R	16/0.20		14.1	15.0
24×0.75	A	1/0.97	0.4	14.1	15.0
	B	7/0.37		15.5	16.4
	R	24/0.20		16.6	17.5
24×1.0	A	1/1.13	0.4	15.5	16.4
	B	7/0.43		16.8	17.7
	R	32/0.20		17.5	18.6

Core × nominal Section mm <sup>2</sup>	Conductor type		Insulation thickness (mm)	Max. outer diameter (mm)	
	Type	Structure No./Diameter(mm)		KFV	KFVP
24×1.5	A	1/1.38	0.4	18.5	19.6
	B	7/0.52		19.9	20.9
	R	30/0.25		20.5	21.4
24×2.5	A	1/1.78	0.45	21.6	22.5
	B	7/0.68		23.6	24.7
	R	49/0.25		24.5	25.4
27×0.5	A	1/0.80	0.35	13.2	14.1
	B	7/0.30		13.8	14.7
	R	16/0.20		14.3	15.2
27×0.75	A	1/0.97	0.4	14.3	15.3
	B	7/0.37		15.9	16.8
	R	24/0.20		16.9	17.8
27×1.0	A	1/1.13	0.4	16.5	17.3
	B	7/0.43		17.7	18.6
	R	32/0.20		18.4	19.5
27×1.5	A	1/1.38	0.4	19.1	20.0
	B	7/0.52		20.5	21.4
	R	30/0.25		20.9	21.8
27×2.5	A	1/1.78	0.45	22.7	23.6
	B	7/0.68		24.9	25.8
	R	49/0.25		25.7	26.6