



PRODUCT CATALOGUE



PILIHAN TEPAT UNTUK BANGUNAN ANDA



35+

**YEARS
EXPERIENCE
IN CABLE
MANUFACTURE**



WILSON CABLES
CABLE MANUFACTURE

CERTIFICATION

- **SNI ISO 9001:2015**
Quality Management System



- **LEMBAGA MASALAH KELISTRIKAN**
(Lembaga Sertifikasi Produk)



- **SMK3**
(Sistem Manajemen
Keselamatan dan Kesehatan Kerja)



- **APKABEL**
(Asosiasi Pabrik Kabel Indonesia)



- **TKDN**
(Tingkat Komponen Dalam Negeri)



WILSON CABLES
CABLE MANUFACTURE

PRODUCTS

A photograph of a modern, multi-story building with white and dark grey architectural elements and large glass windows, set against a clear blue sky.

BUILDING
CABLE

A composite image showing a close-up of a large circular speaker on the left and a blurred electronic device on the right.

ELECTRONIC
CABLE

A photograph of a blue sports car and a blue motorcycle parked in a modern, brightly lit garage.

AUTOMOTIVE
CABLE

A photograph of a welder wearing a mask and gloves, working on a large metal pipe, with bright sparks flying from the welding point.

SPECIAL
CABLE



WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE



BUILDING CABLE

Type	:	NYA (Cu/PVC)
Code Name	:	60227 IEC 05
Rated Voltage	:	300/500 V
Size	:	0.5 ~ 1 mm ²
Standard	:	SNI 04-6629.3 - 2006
Application	:	Permanent installation in conduit or exposed wiring in dry location.

CONSTRUCTION DATA			ELECTRICAL DATA					
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C		Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C	In Pipe	In Air	
						Max. A	Max. A	
mm²	(mm)	kg/km	mm²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. A	Max. (kA)
0.5	2.1	9	0.5	36	0.015	2.5	-	0.07
0.75	2.2	12	0.75	24.5	0.012	7	15	0.10
1.0	2.4	16	1	18.1	0.011	11	19	0.13

CONSTRUCTION PERFORMANCE



Special Feature



Features

- 99.9 % Pure Copper Conductor
- Easy Installation

Available Colour :



Custom colour are available upon request



WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE

Type : **NYA (Cu/PVC)**
Code Name : 60227 IEC 01
Rated Voltage : 450/750 V
Size : 1.5 ~ 10 mm²
Standard : SNI 04-6629.3 - 2006
Application : Permanent installation in conduit or exposed wiring in dry location.

CONSTRUCTION DATA			ELECTRICAL DATA					
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C		Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C			
						In Pipe	In Air	
mm²	(mm)	kg/km	mm²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. A	Max. (kA)
1.5	2.9	20.27	1.5	12.1	0.011	15	24	0.17
2.5	3.4	32.05	2.5	7.41	0.010	19	32	0.29
4	3.9	47.79	4	4.61	0.0085	25	42	0.46
6	4.4	67.52	6	3.08	0.0007	33	54	0.69
10	5.6	111.79	10	1.83	0.00065	45	73	1.15

CONSTRUCTION PERFORMANCE



Special Feature



Features

- 99.9 % Pure Copper Conductor
- Easy Installation

Available Colour :



Custom colour are available upon request



WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE

Type : **NYAF** (Cu/PVC-f)
Code Name : 60227 IEC 06
Rated Voltage : 300/500 V
Size : 0.5 ~ 1 mm²
Standard : SNI 04-6629.3 - 2006
Application : Permanent installation in conduit or exposed wiring in dry location.

CONSTRUCTION DATA			ELECTRICAL DATA					
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C		Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C	In Pipe	In Air	
						Max. A	Max. A	
mm²	(mm)	kg/km	mm²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. A	Max. (kA)
0.5	2.3	9.8	0.5	39.0	0.013	2.5	-	0.06
0.75	2.45	12.5	0.75	26.0	0.011	7	15	0.09
1	2.6	15.2	1	19.5	0.010	11	19	0.12

CONSTRUCTION PERFORMANCE



Special Feature



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

Available Colour :



BUILDING CABLE

Type : NYAF (Cu/PVC-f)
Code Name : 60227 IEC 02
Rated Voltage : 450/750 V
Size : 1.5 ~ 120 mm²
Standard : SNI 04-6629.3 - 2006
Application : Permanent installation in conduit or exposed wiring in dry location.

CONSTRUCTION DATA			ELECTRICAL DATA					
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C		Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C			
						In Pipe	In Air	
mm²	(mm)	kg/km	mm²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. A	Max. (kA)
1.5	3.0	22.48	1.5	13.3	0.010	15	24	0.17
2.5	3.65	35.15	2.5	7.98	0.009	20	32	0.29
4	4.2	52.00	4	4.95	0.007	25	42	0.46
6	4.8	72.24	6	3.3	0.006	33	54	0.69
10	6.3	120.23	10	1.91	0.0056	45	73	1.16
16	7.4	183.18	16	1.21	0.0046	61	98	1.84
25	9.3	287.32	25	0.780	0.0044	83	128	2.88
35	10.7	394.43	35	0.554	0.0038	103	158	4.03
50	12.7	560.78	50	0.386	0.0037	132	197	5.75
70	14.6	770.10	70	0.272	0.0032	165	245	8.05
95	16.7	1030.82	95	0.206	0.0032	197	290	10.93
120	18.5	1290.50	120	0.161	0.0029	235	345	13.8

CONSTRUCTION PERFORMANCE



Special Feature



Features

- 99.9 % Pure Copper Conductor
- Easy Installation

Available Colour :



Custom colour are available upon request



WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE

Type	:	NYM (Cu/PVC/PVC)
Code Name	:	60227 IEC 10
Rated Voltage	:	300/500 V
Size	:	2 x (1.5 ~ 10 mm ²) / 3 x (1.5 ~ 10 mm ²) / 4 x (1.5 ~ 10 mm ²)
Standard	:	SNI 04-6629.4 - 2006
Application	:	Indoor and Outdoor permanent installation in conduit under plaster or exposed installation in dry location.

CONSTRUCTION DATA			ELECTRICAL DATA				
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C In Air	Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C		
mm ²	mm	kg/km	mm ²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. (kA)
2 x 1.5	8.6	116	1.5	12.1	0.011	19	0.17
2 x 2.5	9.6	149	2.5	7.41	0.010	25	0.29
2 x 4	11	191	4	4.61	0.0085	34	0.46
2 x 6	12	250	6	3.08	0.0070	44	0.69
2 x 10	15.2	411	10	1.83	0.0070	61	1.15
3 x 1.5	8.8	135.0	1.5	12.1	0.011	19	0.17
3 x 2.5	10	182.3	2.5	7.41	0.010	25	0.29
3 x 4	11.6	242.3	4	4.61	0.0085	34	0.46
3 x 6	12.7	326.5	6	3.08	0.0070	44	0.69
3 x 10	16.5	545.5	10	1.83	0.0070	61	1.15
4 x 1.5	9.6	163.9	1.5	12.1	0.011	19	0.17
4 x 2.5	11.0	237.9	2.5	7.41	0.010	25	0.29
4 x 4	12.5	334.5	4	4.61	0.0085	34	0.46
4 x 6	14.0	405.4	6	3.08	0.0070	44	0.69
4 x 10	17.5	701.9	10	1.83	0.0070	61	1.15

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m



WILSON CABLES
CABLE MANUFACTURE

Special Feature



BUILDING CABLE

Type	:	NYMHY / H05VV-F (Cu/PVC/PVC-f)
Code Name	:	60227 IEC 53
Rated Voltage	:	300/500 V
Size	:	2 x (0.75 ~ 2.5 mm ²) / 3 x (0.75 ~ 2.5 mm ²) / 4 x (0.75 ~ 2.5 mm ²)
Standard	:	SNI 04-6629.5 - 2006
Application	:	Indoor and Outdoor location connection or portable application.

CONSTRUCTION DATA			ELECTRICAL DATA				
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C In Air	Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C		
mm ²	mm	kg/km	mm ²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. (kA)
2 x 0.75	6.7	63.06	0.75	26.0	0.011	6	0.10
2 x 1.0	6.9	67.95	1.0	19.5	0.010	10	0.13
2 x 1.5	7.4	86.30	1.5	13.3	0.010	15	0.19
2 x 2.5	9.2	136.18	2.5	7.98	0.009	20	0.132
3 x 0.75	7.0	73.20	0.75	26.0	0.011	6	0.10
3 x 1.0	7.2	82.23	1.0	19.5	0.010	10	0.13
3 x 1.5	8.2	120.70	1.5	13.3	0.010	15	0.19
3 x 2.5	9.6	166.85	2.5	7.98	0.009	20	0.32
4 x 0.75	7.7	90.94	0.75	26.0	0.011	6	0.10
4 x 1.0	7.8	100.08	1.0	19.5	0.010	10	0.13
4 x 1.5	9.0	154.70	1.5	13.3	0.010	15	0.19
4 x 2.5	10.5	225.60	2.5	7.98	0.009	20	0.132

CONSTRUCTION PERFORMANCE



Special Feature

Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m



Available Colour :

Only Two Colours Available



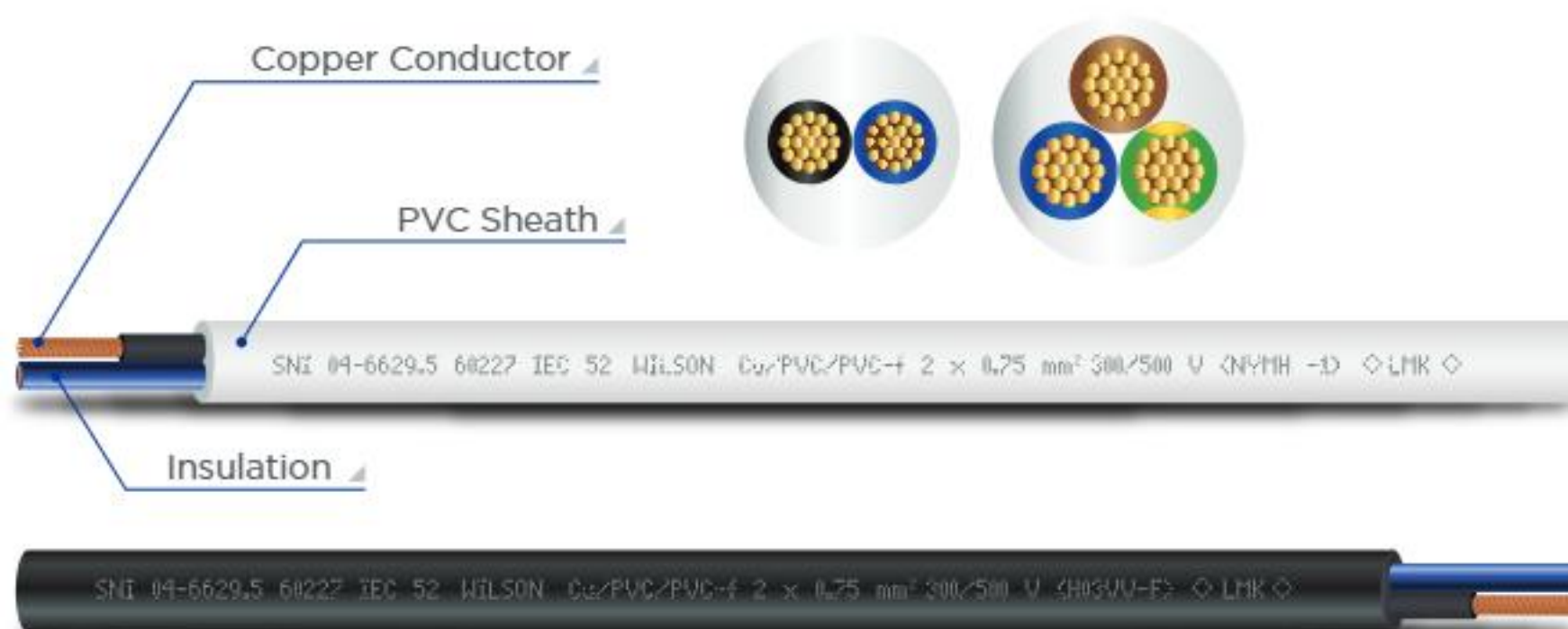
WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE

Type	:	NYMHY-1 / H03VV-F (Cu/PVC/PVC-f)
Code Name	:	60227 IEC 52
Rated Voltage	:	300/300 V
Size	:	2 x (0.5 ~ 0.75 mm ²) / 3 x (0.5 ~ 0.75 mm ²)
Standard	:	SNI 04-6629.5 - 2006
Application	:	Indoor and Outdoor location connection or portable application.

CONSTRUCTION DATA			ELECTRICAL DATA				
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C In Air	Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C		
mm ²	(mm)	kg/km	mm ²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. (kA)
2 x 0.5	5.25	39.22	0.5	39	0.012	2.5	0.07
2 x 0.75	6.0	48.22	0.75	26	0.010	6	0.10
3 x 0.5	5.6	48.22	0.5	39	0.012	2.5	0.07
3 x 0.75	6.4	59.60	0.75	26	0.010	6	0.10

CONSTRUCTION PERFORMANCE



Special Feature



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m

Available Colour :

Only Two Colours Available



WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE

Type : **H03VVH2-F** (Cu/PVC/PVC-f)
Code Name : 60227 IEC 52
Rated Voltage : 300/300 V
Size : 2 x (0.5 ~ 0.75 mm²)
Standard : SNI 04-6629.5 - 2006
Application : Indoor and Outdoor location connection or portable application.

CONSTRUCTION DATA			ELECTRICAL DATA				
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C In Air	Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C		
mm ²	(mm)	kg/km	mm ²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. (kA)
0.5	3.35 x 5.4	30.1	0.5	39	0.012	2.5	0.07
0.75	3.5 x 5.75	37.16	0.75	26	0.010	6	0.10

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m

Special Feature



Available Colour :



Custom colour are available upon request



WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE

Type	:	H05VVH2-F (Cu/PVC/PVC-f)
Code Name	:	60227 IEC 53
Rated Voltage	:	300/500 V
Size	:	2 x (0.75 ~ 1 mm ²)
Standard	:	SNI 04-6629.5 - 2006
Application	:	Indoor and Outdoor location connection or portable application.

CONSTRUCTION DATA			ELECTRICAL DATA				
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C	Short Circuit Current at 1 Sec In Air
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C		
mm ²	(mm)	kg/km	mm ²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. (kA)
0.75	4.1 x 6.6	73.20	0.75	26.0	0.011	6	0.10
1.0	4.3 x 6.85	82.23	1.0	19.5	0.010	10	0.13

CONSTRUCTION PERFORMANCE



Special Feature



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m

Available Colour :



Custom colour are available upon request



WILSON CABLES
CABLE MANUFACTURE

BUILDING CABLE

Type	:	NYY (Cu/PVC/PVC)
Code Name	:	-
Rated Voltage	:	0.6/1 kV
Size	:	2 x (1.5 ~ 10 mm ²) / 3 x (1.5 ~ 10 mm ²) / 4 x (1.5 ~ 10 mm ²)
Standard	:	SNI IEC 60502-1 : 2009
Application	:	Indoor, outdoor, underground, in concrete and in water location connection or portable where mechanical damages are not to be expected.

CONSTRUCTION DATA			ELECTRICAL DATA					
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C		Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C			
						In Air	In Ground	
mm²	mm	kg/km	mm²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. A	Max. (kA)
2 x 1.5	11.2	186.99	1.5	12.1	50	21	27	0.17
2 x 2.5	12.9	256.34	2.5	7.41	50	29	36	0.29
2 x 4	14.0	315.20	4	4.61	50	38	47	0.46
2 x 6	14.4	362.87	6	3.08	50	48	59	0.69
2 x 10	16.8	527.63	10	1.83	50	66	78	1.15
3 x 1.5	12.1	186.99	1.5	12.1	50	18	24	0.17
3 x 2.5	12.9	256.34	2.5	7.41	50	25	32	0.29
3 x 4	14.9	315.20	4	4.61	50	34	41	0.46
3 x 6	15.9	362.87	6	3.08	50	44	52	0.69
3 x 10	17.7	527.63	10	1.83	50	60	69	1.15
4 x 1.5	12.8	255.85	1.5	12.1	50	18	24	0.17
4 x 2.5	13.8	322.93	2.5	7.41	50	25	32	0.29
4 x 4	16.0	433.35	4	4.61	50	34	41	0.46
4 x 6	17.2	553.35	6	3.08	50	44	52	0.69
4 x 10	19.1	774.39	10	1.83	50	60	69	1.15

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m



WILSON CABLES
CABLE MANUFACTURE

Special Feature



ELECTRONIC CABLE



AUDIO CABLE

Type : SPEAKER CORD & SPEAKER CORD TRANSPARENT

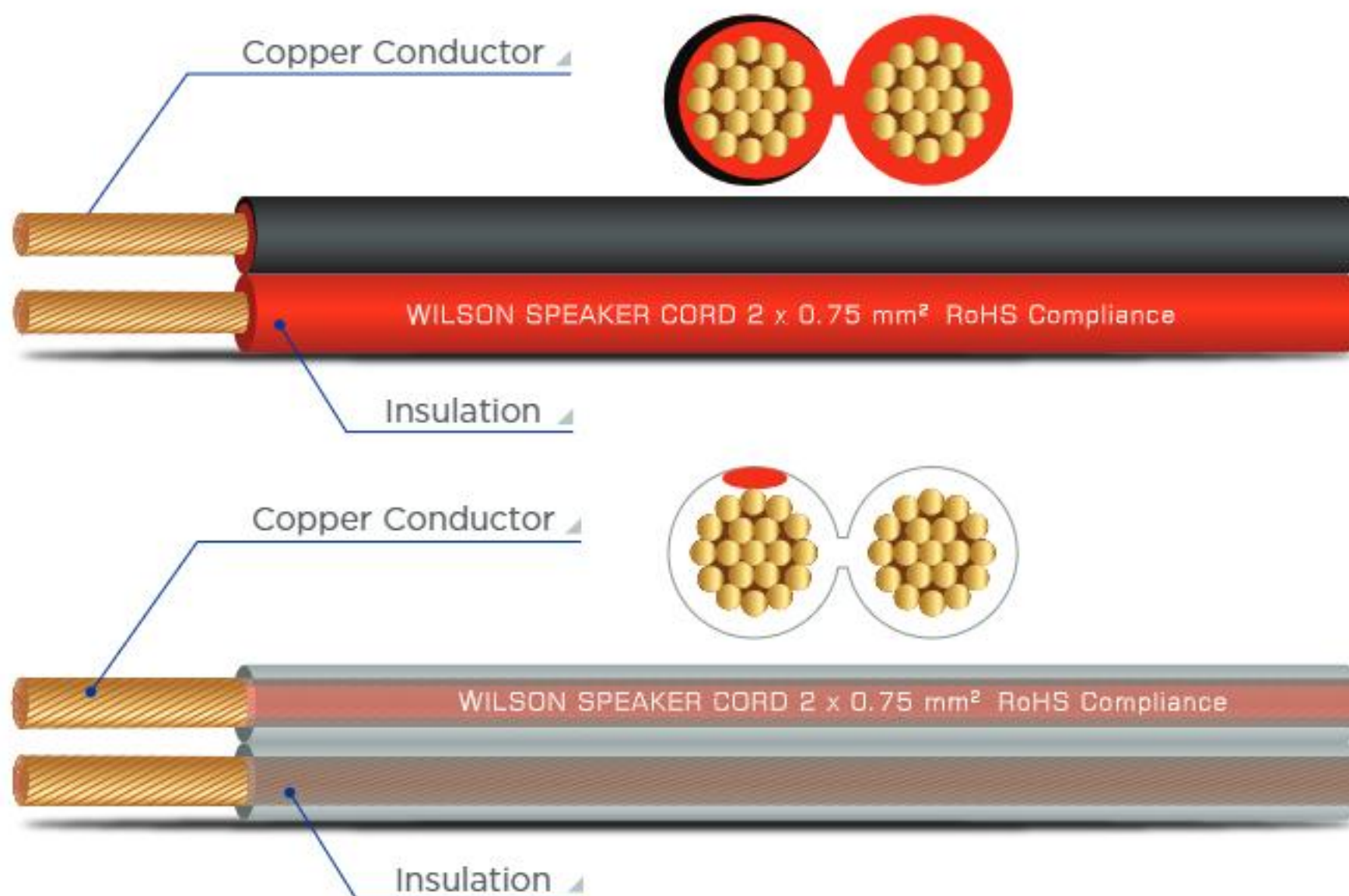
Code Name : -

Standard : -

Application : Light weight PVC cable (Cu/PVC) used for speaker, home theater or audio system, connecting power amplifier and broadcasting system, to transmit the audio signal using amplifier

CONDUCTOR				INSULATION		Maximum Conductor Resistance (20°C)
Size	Nominal Cross Section Area	Calculated Sectional Area	Outside Diameter approx.	Thickness of Vinyl Insulator	Outside Diameter Approx. (A x B)	
mm	mm ²	mm ²	mm	mm	mm	mΩ/m
2 x 12/0.18	0.3	0.3052	0.72	0.54	1.8 x 3.6	182.86
2 x 20/0.18	0.5	0.5084	0.93	0.84	2.6 x 5.2	109.72
2 x 30/0.18	0.75	0.7634	1.14	0.83	2.8 x 5.6	73.14

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

Available Colour :



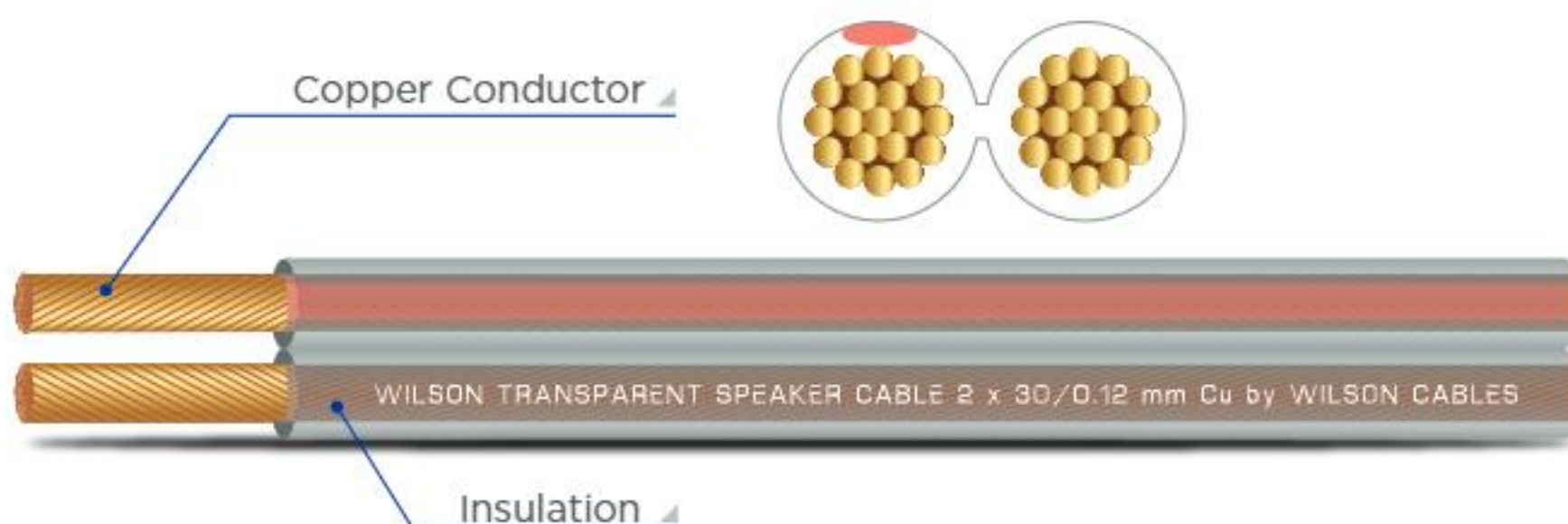
Custom colour are available upon request

AUDIO CABLE

Type : AUDIO CABLE TRANSPARENT
Code Name : -
Standard : -
Application : Light weight PVC cable (Cu/PVC) used for speaker, home theater or audio system, connecting power amplifier and broadcasting system, to transmit the audio signal using amplifier

CONDUCTOR				INSULATION		Maximum Conductor Resistance (20°C)
Size	Nominal Cross Section Area	Calculated Sectional Area	Outside Diameter approx.	Thickness of Vinyl Insulator	Outside Diameter Approx. (A x B)	
mm	mm ²	mm ²	mm	mm	mm	mΩ/m
2 x 20/0.12	0.2	0,2263	0,62	1,1	2.8 x 5.6	87,47
2 x 30/0.12	0.3	0,3394	0,76	1,1	3.0 x 6.0	58,31
2 x 40/0.12	0.5	0,4526	0,88	1,2	3.2 x 6.4	43,73
2 x 50/0.12	0.6	0,5657	0,98	1,2	3.4 x 6.8	34,99
2 x 60/0.12	0.7	0,6788	1,07	1,3	3.6 x 7.2	29,16
2 x 80/0.12	0.9	0,9051	1,24	1,3	3.8 x 7.6	21,87
2 x 100/0.12	1.1	1,1314	1,38	1,3	4.0 x 8.0	17,49
2 x 120/0.12	1.4	1,3577	1,52	1,3	4.2 x 8.4	14,58

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

Available Colour :



Custom colour are available upon request

AUDIO CABLE

Type : **MONO & STEREO MICROPHONE CORD**
Code Name : -
Standard : -
Application : For connecting amplifier to microphone or other music instruments

TYPE	CONDUCTOR	INSULATION		THREAD	SIELD	SHEATH	
	No. of Component Wires / Dia of Component Wires	Nominal Thickness	Outside Diameter		No. of Component Wires / Dia of Component Wires	Nominal Thickness	Outside Diameter
	N/mm	mm	mm		N/mm	mm	mm
Mono Mic	1C x 26/0.10	0.7	2.0	3	45/0.12	1.8	6.0
Stereo Mic	2C x 20/0.12	0.5	1.6	4	55/0.12	1.2	6.0

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

AUDIO CABLE

Type : SHIELD WIRE (HEAD CABLE)
Code Name : -
Standard : -
Application : Used for installing audio amps and other electronic

CONDUCTOR			INSULATION			SHIELD		SHEATH	
No. of Component Wires /Dia of Component Wires			Nominal Thickness		Outside Diameter	No. of Component Wires /Dia of Component Wires		Nominal Thickness	Outside Diameter
N/mm			mm		mm	N/mm		mm	mm
2C x 10/0.12			0.18		0.8	38/0.12		0.48	2.8

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE



AUTOMOTIVE CABLE

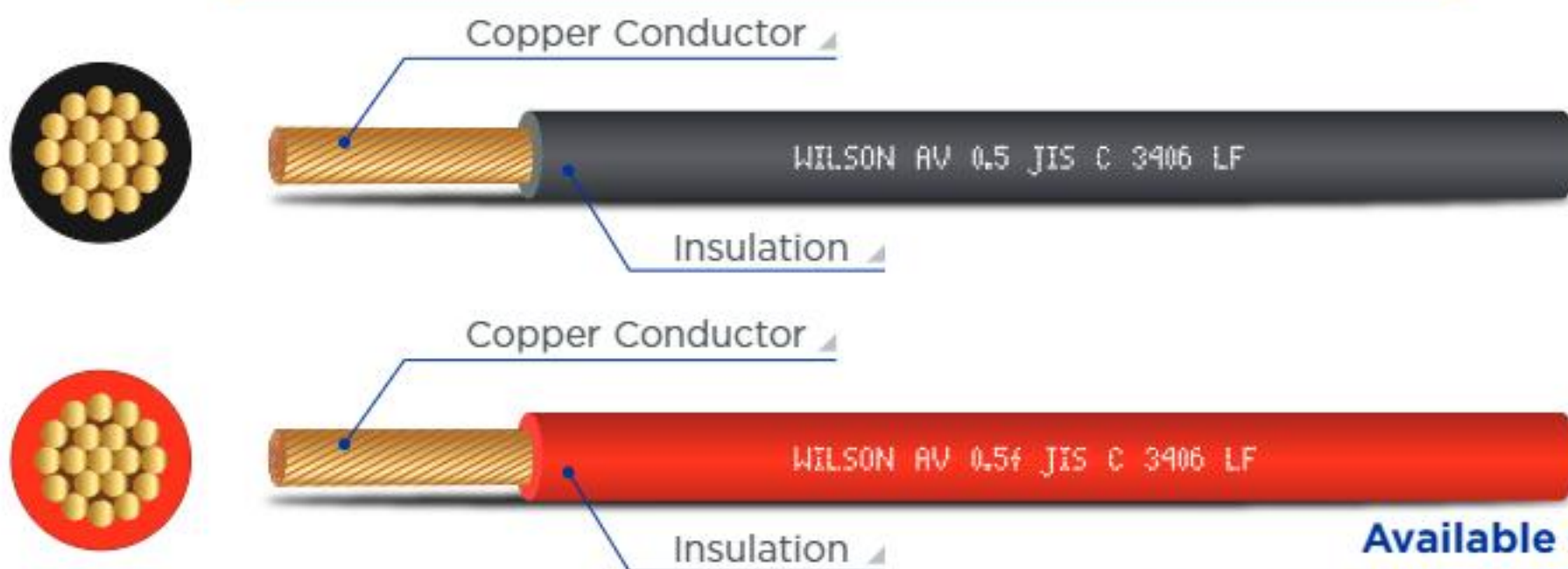
AUTOMOTIVE CABLE

Type : AV & AVf
Code Name : -
Standard : JIS C 3406 (Low - Voltage Cables for Automobiles)
Application : This PVC insulated single-core cable is used for low voltage circuits in automobiles, vehicles and motorcycles

CONDUCTOR DATA				Thickness of vinyl Insulator	Overall Diameter	Maximum Conductor Resistance (20°C)
Nominal Cross Section Area	No. of Component Wires / ϕ of Component Wires	Calculated Sectional Area	Outside Diameter Approx			
mm ²	mm	mm ²	mm	mm	mm	Ω/m
*0.3	7/0.26	0.372	0.8	0.5	1.8	0.050
*0.3f	15/0.18	0.382	0.8	0.5	1.8	0.049
0.5	7/0.32	0.563	1	0.6	2.2	0.033
0.5f	20/0.18	0.509	1	0.6	2.2	0.037
0.75f	30/0.18	0.763	1.2	0.6	2.4	0.024
0.85	11/0.32	0.885	1.2	0.6	2.4	0.021
*0.85f	33/0.18	0.840	1.2	0.6	2.4	0.022
1.25	16/0.32	1.287	1.5	0.6	2.7	0.014
1.25f	50/0.18	1.273	1.5	0.6	2.7	0.015
*1.5f	48/0.20	1.508	1.6	0.7	3	0.012
2	26/0.32	2.091	1.9	0.6	3.1	0.008
*2f	37/0.26	1.964	1.8	0.6	3	0.010
3	41/0.32	3.297	2.4	0.7	3.8	0.006
5	65/0.32	5.228	3	0.8	4.6	0.004
8	50/0.45	7.952	3.7	0.9	5.5	0.002

* : Custom size

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE



Available Colour :

Custom colour are available upon request

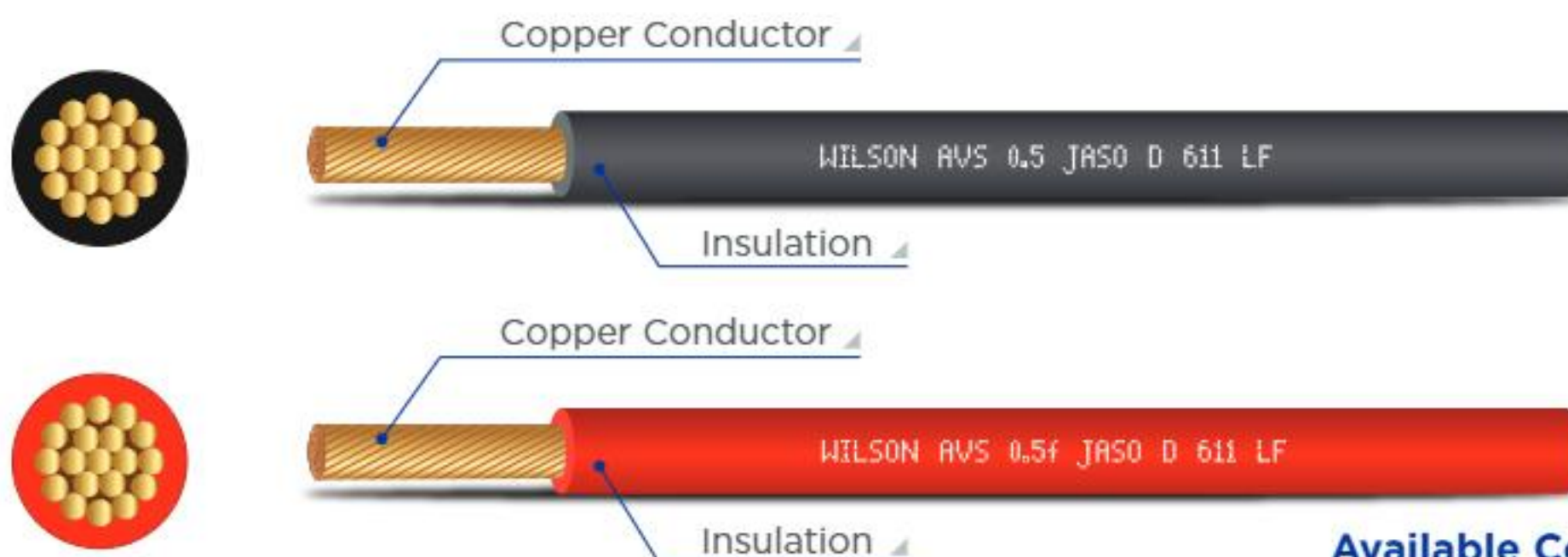
AUTOMOTIVE CABLE

Type : AVS & AVSf
Code Name : -
Standard : JASO D 611 (Automotive Parts - Unscreened Low-Voltage Cables)
Application : This PVC insulated single-core cable is used for low voltage circuits in automobiles, vehicles and motorcycles

CONDUCTOR				Thickness of vinyl Insulator	Overall Diameter	Maximum Conductor Resistance (20°C)
Nominal Cross Section Area	No. of Component Wires / ϕ of Component Wires	Calculated Sectional Area	Outside Diameter Approx			
mm ²	mm	mm ²	mm	mm	mm	mΩ/m
0.3	7/0.26	0.372	0.8	0.5	1.8	50.2
0.3f	15/0.18	0.382	0.8	0.5	1.8	48.9
0.5	7/0.32	0.563	1	0.5	2.0	32.7
0.5f	20/0.18	0.509	1	0.5	2.0	36.7
0.75f	30/0.18	0.763	1.2	0.5	2.2	24.4
0.85	16/0.26	0.849	1.2	0.5	2.2	22
*0.85f	33/0.18	0.840	1.2	0.5	2.2	21.7
1.25	16/0.32	1.287	1.5	0.5	2.5	14.3
1.25f	50/0.18	1.273	1.5	0.5	2.5	14.7
2	26/0.32	2.091	1.9	0.5	2.9	8.81
2f	37/0.26	1.964	1.9	0.5	2.9	9.5
3	41/0.32	3.297	2.4	0.6	3.6	5.59
3f	58/0.26	3.079	2.3	0.6	3.5	6.06
5	65/0.32	5.228	3	0.7	4.4	3.52

* : Custom size

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE



Available Colour :

Custom colour are available upon request

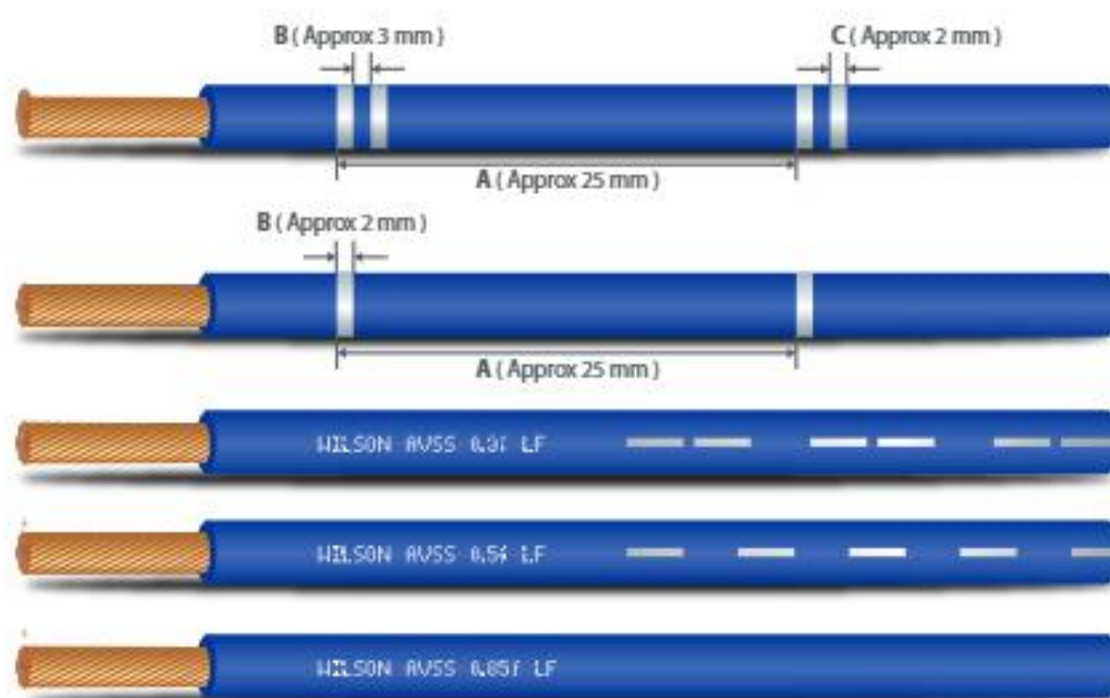
AUTOMOTIVE CABLE

Type : AVSS & AVSSf
Code Name : -
Standard : JASO D 611 (Automotive Parts - Unscreened Low-Voltage Cables)
Application : This PVC insulated single-core cable is used for low voltage circuits in automobiles, vehicles and motorcycles

CONDUCTOR				Thickness of vinyl Insulator	Overall Diameter	Maximum Conductor Resistance (20°C)
Nominal Cross Section Area	No. of Component Wires / ϕ of Component Wires	Calculated Sectional Area	Outside Diameter Approx			
mm ²	mm	mm ²	mm	mm	mm	mΩ/m
0.3	7/0.26	0.372	0.8	0.3	1.4	50.2
0.3f	19/0.16	0.382	0.8	0.3	1.4	48.8
0.5	7/0.32	0.563	1	0.3	1.6	32.7
0.5f	19/0.19	0.539	1	0.3	1.6	34.6
0.75f	19/0.23	0.790	1.2	0.3	1.8	23.6
0.85	19/0.24	0.860	1.2	0.3	1.8	21.7
*0.85f	33/0.18	0.840	1.2	0.3	1.8	21.7
1.25	19/0.29	1.255	1.5	0.3	2.1	14.9
1.25f	37/0.21	1.282	1.5	0.3	2.1	14.6
2	19/0.37	2.043	1.9	0.4	2.7	9
2f	37/0.26	1.964	1.8	0.4	2.6	9.5

* : Custom size

CONSTRUCTION PERFORMANCE



Two ring mark size :
0.3 & 0.85 mm²

One ring mark size :
0.5 & 1.25 mm²

Combination between letter mark and dot mark size :
0.3f, 0.75f mm²

Combination between letter mark and dot mark size :
0.5f, 1.25f mm²

Letter mark size :
0.85f, 2f & 2 mm²

Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

Available Colour :



Custom colour are available upon request

AUTOMOTIVE CABLE

Type : AVSSBf
Code Name : -
Standard : HES 3212Z - GHA - 6000 (Low Voltage Electric Wire for Automobile)
Application : This PVC insulated single-core cable is used for low voltage circuits in automobiles, vehicles and motorcycles

CONDUCTOR DATA				Thickness of vinyl Insulator	Overall Diameter	Maximum Conductor Resistance (20°C)
Nominal Cross Section Area	No. of Component Wires / ϕ of Component Wires	Calculated Sectional Area	Outside Diameter Approx			
mm ²	mm	mm ²	mm	mm	mm	mΩ/m
0.3f	15/0.18	0.382	0.8	0.35	1.5	48.8
0.5f	20/0.18	0.509	1	0.35	1.7	36.7
0.75f	30/0.18	0.763	1.2	0.35	1.9	24.4
1.25f	50/0.18	1.273	1.5	0.4	2.3	14.7

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

Available Colour :



Custom colour are available upon request

AUTOMOTIVE CABLE

Type : **EB**
Code Name : -
Standard : JASO D 611 - 2008 (Automotive Parts - Unscreened Low-Voltage Cables)
Application : This PVC insulated single-core cable is used for low voltage circuits in automobiles, vehicles and motorcycles

CONDUCTOR DATA				Thickness of vinyl Insulator	Overall Diameter	Maximum Conductor Resistance (20°C)
Nominal Cross Section Area	No. of Component Wires / ϕ of Component Wires	Calculated Sectional Area	Outside Diameter Approx			
mm ²	mm	mm ²	mm	mm	mm	mΩ/m
5	7 x 9/0.32	5.067	3.1	0.6	4.3	3.71
9	7 x 16/0.32	9.008	4.2	0.6	5.4	2.09
10	19 x 6/0.32	9.168	4.2	0.6	5.5	2.05
15	19 x 9/0.32	13.75	5.3	0.6	6.5	1.37
20	19 x 13/0.32	19.86	6.5	0.6	7.7	0.946
30	19 x 19/0.32	29.03	7.8	0.6	9.0	0.647
40	19 x 26/0.32	39.73	9.1	0.6	10.3	0.473
50	19 x 32/0.32	48.90	10.1	0.6	11.3	0.384
60	19 x 39/0.32	59.60	11.1	0.6	12.3	0.315
85	19 x 56/0.32	85.57	13.1	0.6	14.3	0.220

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

AUTOMOTIVE CABLE

Type : **HEB**
Code Name : -
Standard : JASO D 611 - 2008 (Automotive Parts - Unscreened Low-Voltage Cables)
Application : This PVC insulated single-core cable is used for low voltage circuits in automobiles, vehicles and motorcycles

CONDUCTOR DATA				Thickness of vinyl Insulator	Overall Diameter	Maximum Conductor Resistance (20°C)
Nominal Cross Section Area	No. of Component Wires / ϕ of Component Wires	Calculated Sectional Area	Outside Diameter Approx			
mm ²	mm	mm ²	mm	mm	mm	mΩ/m
5	7 x 9/0.32	5.067	3.1	0.8	4.7	3.71
9	7 x 16/0.32	9.008	4.2	1.0	6.2	2.09
10	19 x 6/0.32	9.168	4.2	1.0	6.2	2.05
15	19 x 9/0.32	13.75	5.3	1.1	7.5	1.37
20	19 x 13/0.32	19.86	6.5	1.1	8.7	0.946
30	19 x 19/0.32	29.03	7.8	1.4	10.06	0.647
40	19 x 26/0.32	39.73	9.1	1.4	11.9	0.473
50	19 x 32/0.32	48.90	10.1	1.6	13.3	0.384
60	19 x 39/0.32	59.60	11.1	1.6	14.3	0.315
85	19 x 56/0.32	85.57	13.1	2.0	17.1	0.220

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
CABLE MANUFACTURE

SPECIAL CABLE



WELDING CABLE

Type : **WELDING CABLE**
Standard : AS/NZS 1995 : 2003 (Welding cables)
 IEC 60245 - 6 (Arc welding electrode cables)
Application : Flexible welding cable used for connection of an electric welding machine to the welding gun

Nominal Cross Section Area	Maximum Diameter of Wire Conductor	Outer Diameter Approx (mm)	Max Conductor Resistance at 20°C
mm ²	mm	mm	Ω/km
16	0.21	12	1.21
25	0.21	13	0.780
35	0.21	14	0.554
50	0.31	16	0.386
70	0.31	18	0.272
95	0.31	20	0.206
120	0.31	22	0.161

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m



WILSON CABLES
CABLE MANUFACTURE

SUBMERSIBLE CABLE

Type	:	NYMHY (Cu/PVC/PVC-f)
Code Name	:	60227 IEC 53
Rated Voltage	:	300/500 V
Size	:	3 x (0.75 ~ 2.5 mm ²)
Standard	:	SNI 04-6629.5 - 2006
Application	:	Cables with high flexibility, specially designed for submersible pumps

CONSTRUCTION DATA			ELECTRICAL DATA				
Nominal Cross Section Area	Overall Diameter	Cable Weight	CONDUCTOR		INSULATION	Current Carrying Capacity at 30°C In Air	Short Circuit Current at 1 Sec
			Nominal Cross Section Area	DC Resistant at 20°C	Insulation Resistance at 70°C		
mm ²	mm	kg/km	mm ²	Max. (Ω/km)	Min. (MΩ.km)	Max. A	Max. (kA)
3 x 0.75	5.1 x 9.9	81.04	0.75	26.0	0.011	6	0.10
3 x 1.0	5.2 x 10.2	90.39	1.0	19.5	0.010	10	0.13
3 x 1.5	5.7 x 11.5	118.79	1.5	13.3	0.010	15	0.19
3 x 2.5	6.3 x 13.3	167.44	2.5	7.98	0.009	20	0.32

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m



WILSON CABLES
CABLE MANUFACTURE

TELEPHONE CABLE

Type : TELEPHONE CABLE
Code Name : -
Standard : -
Application : Used for indoor telephone network

CONDUCTOR		INSULATION		SHEATH	
Size	No. of Component Wires / ϕ of Component Wires	Nominal Thickness	Outside Diameter	Nominal Thickness	Outside Diameter
	mm	mm	mm	mm	mm
2C	0.5	0.3	1.15	0.7	3.7
4C	0.6	0.3	1.25	0.7	3.9
2C	0.5	0.3	1.15	0.7	4.3
4C	0.6	0.3	1.25	0.7	4.5

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation



WILSON CABLES
 CABLE MANUFACTURE

COAXIAL CABLE & CCTV CABLE + POWER

Type : CCTV COAXIAL CABLE RG59 + POWER CORD
COAXIAL CABLE RG6/FW 75M Ω

Code Name : -

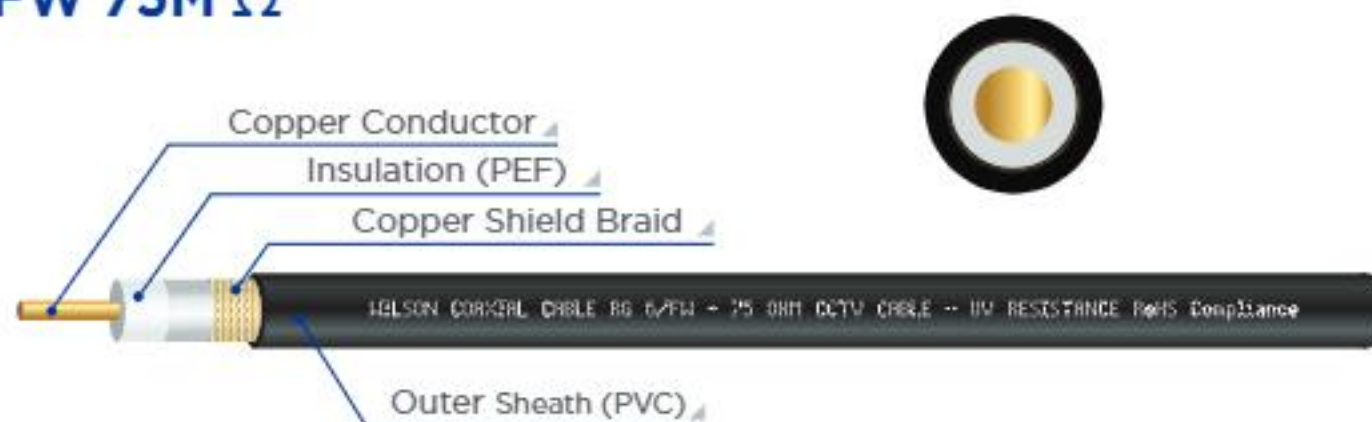
Standard : -

Application : Used for CCTV cable

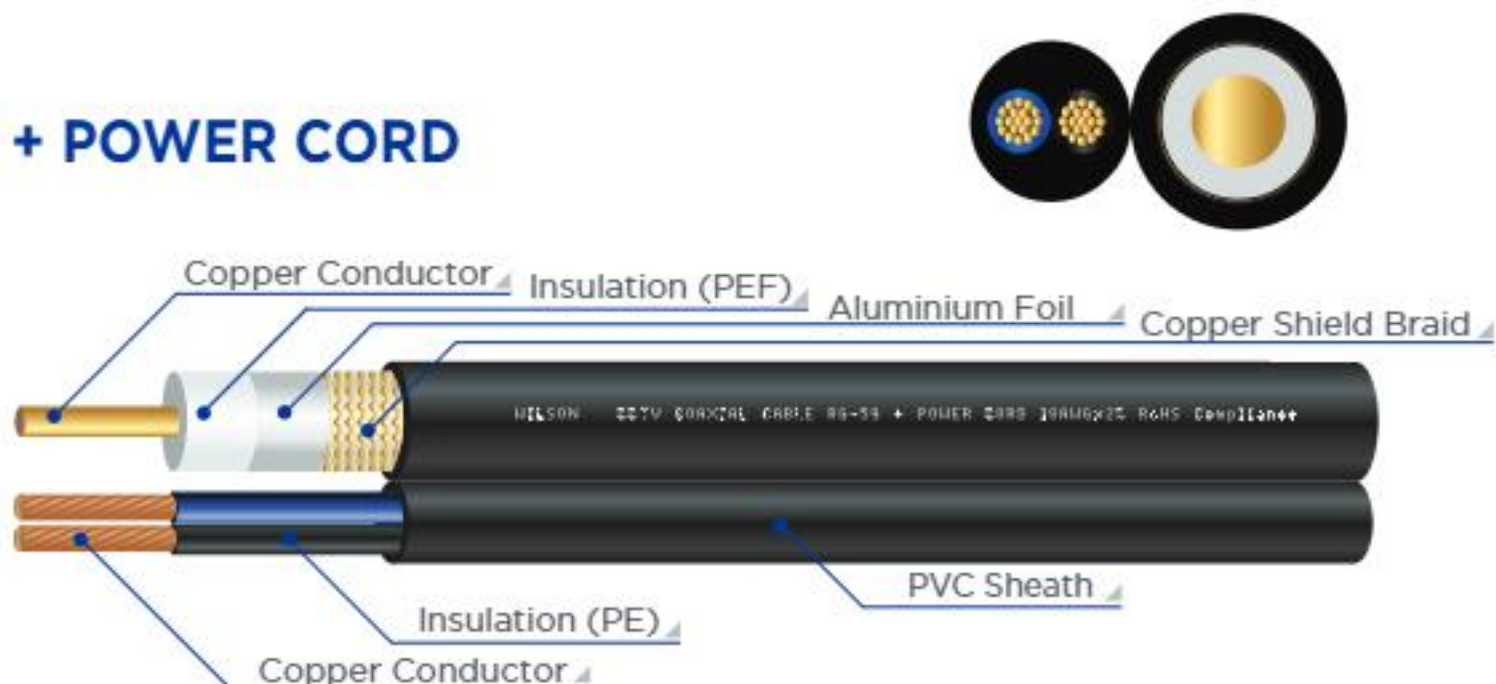
Size	CONDUCTOR	INSULATION		Aluminium Foil	BRAID	SHEATH	
	No. of Component Wires / ϕ of Component Wires	Nominal Thickness	Outside Diameter		No. of Component Wires / Dia of Component Wires	Nominal Thickness	Outside Diameter
	mm	mm	mm		mm	mm	mm
RG - 59	1.0	1.35	3.4	12.5 x 0.08	16 x 4 / 0.12	0.9	6.0
18 AWG (2C)	30/0.18	0.45	2.0	-	-	0.3	4.6

CONSTRUCTION PERFORMANCE

RG6/FW 75M Ω



RG59 + POWER CORD



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking /m



WILSON CABLES
CABLE MANUFACTURE

DROP WIRE

Type : **DROP WIRE (U-ES)**
Code Name : -
Standard : STEL K-004
Application : Used for Outdoor Telephone Network

CONDUCTOR		INSULATION	
Size	No. of Component Wires / ϕ of Component Wires	Nominal Thickness	Outside Diameter Approx.
mm ²	N/mm	mm	mm
2 x 0.3	2 x 0.6 Copper Wire	0.8	2.2
	1 x 1.2 Steel Wire	0.8	2.8

CONSTRUCTION PERFORMANCE



Features

- 99.9 % Pure Copper Conductor
- Easy Installation
- Digital Printing Marking / m



WILSON CABLES
CABLE MANUFACTURE

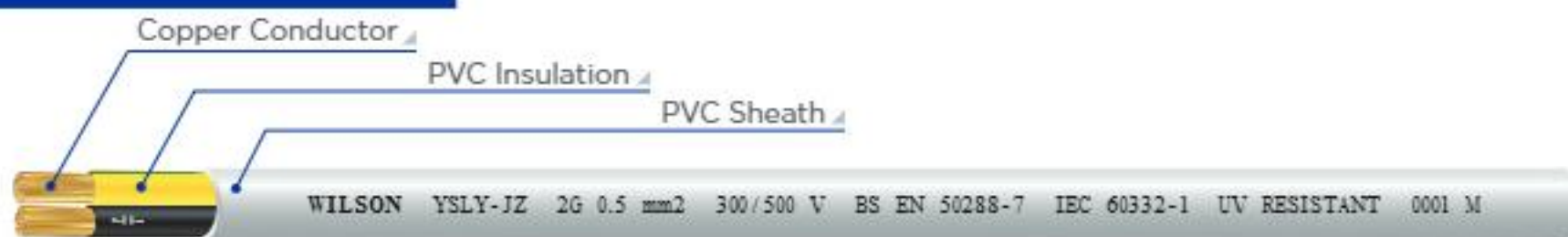
CONTROL CABLE

- Type** : **YSLY-JZ** (Cu/PVC/PVC-f)
- Rated Voltage** : 300/500V
- Size** : 2 x (0.5 - 1.5 mm²) - 8 x (0.5 - 1.5 mm²)
- Standard** : BS EN 50288-7
IEC 60332-1
- Application** : For indoor medium load control system with high flexibility. Used in electrical panels, machinery and other industrial needs.

Product Code	No. of Cores	Nominal Cross Section Area	Approximate Overall Diameter	Approximate Weight of Cable
		mm ²	mm	(kg/km)
C3C5-2CD-0V2f-B2	2G	0.5	4.9	37
C3C5-2CE-0V2f-B2		0.75	5.4	47
C3C5-2CH-0V2f-B2		1	5.7	57
C3C5-2CJ-0V2f-B2		1.5	6.3	72
C3C5-3CD-0V2f-B2	3G	0.5	5.2	45
C3C5-3CE-0V2f-B2		0.75	5.7	57
C3C5-3CH-0V2f-B2		1	6.1	69
C3C5-3CJ-0V2f-B2		1.5	6.7	90
C3C5-4CD-0V2f-B2	4G	0.5	5.7	55
C3C5-4CE-0V2f-B2		0.75	6.3	72
C3C5-4CH-0V2f-B2		1	6.7	88
C3C5-4CJ-0V2f-B2		1.5	7.4	114
C3C5-5CD-0V2f-B2	5G	0.5	6.3	68
C3C5-5CE-0V2f-B2		0.75	6.9	87
C3C5-5CH-0V2f-B2		1	7.4	106
C3C5-5CJ-0V2f-B2		1.5	8.2	138

Product Code	No. of Cores	Nominal Cross Section Area	Approximate Overall Diameter	Approximate Weight of Cable
		mm ²	mm	(kg/km)
C3C5-6CD-0V2f-B2	6G	0.5	6.8	81
C3C5-6CE-0V2f-B2		0.75	7.5	105
C3C5-6CH-0V2f-B2		1	8.1	127
C3C5-6CJ-0V2f-B2		1.5	9.0	166
C3C5-7CD-0V2f-B2	7G	0.5	6.8	86
C3C5-7CE-0V2f-B2		0.75	7.5	112
C3C5-7CH-0V2f-B2		1	8.1	135
C3C5-7CJ-0V2f-B2		1.5	9.0	178
C3C5-8CD-0V2f-B2	8G	0.5	7.7	105
C3C5-8CE-0V2f-B2		0.75	8.5	134
C3C5-8CH-0V2f-B2		1	9.1	165
C3C5-8CJ-0V2f-B2		1.5	10.1	216

CONSTRUCTION



Features

- 99.9 % Pure Copper Conductor
- UV Resistant
- Flame Retardant Non Category



WILSON CABLES
CABLE MANUFACTURE

CONTROL CABLE

- Type** : **LIYCY-JZ** (Cu/PVC/TCWB/PVC-f)
- Rated Voltage** : 300/500V
- Size** : 2 x (0.5 - 1.5 mm²) - 8 x (0.5 - 1.5 mm²)
- Standard** : BS EN 50288-7
IEC 60332-1
- Application** : Use in instrumentation and control system that requires low current consumptions for continuous data transmission. Ideal for voice communication in telecommunication system.

Product Code	No. of Cores	Nominal Cross Section Area	Approximate Overall Diameter	Approximate Weight of Cable
		mm ²	mm	(kg/km)
C3C5-2CD-5V2f-B2	2G	0.5	5.6	59
C3C5-2CE-5V2f-B2		0.75	6.0	67
C3C5-2CH-5V2f-B2		1	6.4	74
C3C5-2CJ-5V2f-B2		1.5	7.0	87
C3C5-3CD-5V2f-B2	3G	0.5	5.9	69
C3C5-3CE-5V2f-B2		0.75	6.4	80
C3C5-3CH-5V2f-B2		1	6.8	91
C3C5-3CJ-5V2f-B2		1.5	7.4	109
C3C5-4CD-5V2f-B2	4G	0.5	6.4	79
C3C5-4CE-5V2f-B2		0.75	6.9	94
C3C5-4CH-5V2f-B2		1	7.4	108
C3C5-4CJ-5V2f-B2		1.5	8.1	132
C3C5-5CD-5V2f-B2	5G	0.5	6.9	90
C3C5-5CE-5V2f-B2		0.75	7.5	108
C3C5-5CH-5V2f-B2		1	8.1	125
C3C5-5CJ-5V2f-B2		1.5	9.0	155

Product Code	No. of Cores	Nominal Cross Section Area	Approximate Overall Diameter	Approximate Weight of Cable
		mm ²	mm	(kg/km)
C3C5-6CD-5V2f-B2	6G	0.5	7.5	101
C3C5-6CE-5V2f-B2		0.75	8.2	123
C3C5-6CH-5V2f-B2		1	8.8	143
C3C5-6CJ-5V2f-B2		1.5	9.6	179
C3C5-7CD-5V2f-B2	7G	0.5	7.5	110
C3C5-7CE-5V2f-B2		0.75	8.2	134
C3C5-7CH-5V2f-B2		1	8.8	158
C3C5-7CJ-5V2f-B2		1.5	9.8	198
C3C5-8CD-5V2f-B2	8G	0.5	8.4	122
C3C5-8CE-5V2f-B2		0.75	9.2	150
C3C5-8CH-5V2f-B2		1	9.8	177
C3C5-8CJ-5V2f-B2		1.5	10.8	224

CONSTRUCTION



Features

- 99.9 % Pure Copper Conductor
- UV Resistant
- Flame Retardant Non Category



WILSON CABLES
CABLE MANUFACTURE

FIRE RESISTANT CABLES

Type	:	N2XY-FRC (Cu/MGT/XLPE/PVC-FR LSLH)
Rated Voltage	:	300/500V
Size	:	2 x (1.5 - 10 mm ²) - 4 x (1.5 - 10 mm ²)
Standard	:	IEC 60331-21
Application	:	Able to prevent itself from burning if and when exposed to extreme temperatures. Used for fire alarm system, emergency power or lighting,etc

Product Code	No. of Cores	Nominal Cross Section Area	Approximate Overall Diameter	Approximate Weight of Cable	Electrical Properties		
					Max. DC Resistance at 20°C	Current Rating in air at 30°C	Short Circuit Rating of Conductor at 1 sec.
		mm ²	mm	(kg/km)			
FIC2 - 2CJ - 0XVL - B3	2	1.5	9.7	126	12.10	26	0.17
FIC2 - 2CL - 0XVL - B3		2.5	10.6	161	7.41	36	0.29
FIC2 - 2CN - 0XVL - B3		4	11.9	217	4.61	49	0.46
FIC2 - 2CP - 0XVL - B3		6	13.1	282	3.08	63	0.69
FIC2 - 2Cs - 0XVL - B3		10	15.1	406	1.83	86	1.15
FIC2 - 3CJ - 0XVL - B3	3	1.5	10.3	148	12.10	23	0.17
FIC2 - 3CL - 0XVL - B3		2.5	11.5	199	7.41	32	0.29
FIC2 - 3CN - 0XVL - B3		4	12.7	246	4.61	42	0.46
FIC2 - 3CP - 0XVL - B3		6	13.9	346	3.08	54	0.69
FIC2 - 3Cs - 0XVL - B3		10	16.1	509	1.83	75	1.15
FIC2 - 4CJ - 0XVL - B3	4	1.5	11.5	186	12.10	23	0.17
FIC2 - 4CL - 0XVL - B3		2.5	12.5	241	7.41	32	0.29
FIC2 - 4CN - 0XVL - B3		4	13.9	326	4.61	42	0.46
FIC2 - 4CP - 0XVL - B3		6	15.5	441	3.08	54	0.69
FIC2 - 4Cs - 0XVL - B3		10	17.9	649	1.83	75	1.15

CONSTRUCTION



Features

- Fire Performance Test 750°C/90 min
- LSLH (Low smoke low halogen)
- Flame Retardant Cat. A
- UV Resistant



WILSON CABLES
CABLE MANUFACTURE

WE USED HIGH QUALITY MATERIAL

Material is the key to innovate quality product, Our cables only uses high-quality PVC and 99.99% pure copper conductor.



High-quality PVC

Extinguish 3 X faster when on fire for building cables



99.9% pure copper conductor



WILSON CABLES
CABLE MANUFACTURE



PT. WILLSON SURYA UNGGUL
CABLE MANUFACTURER

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