

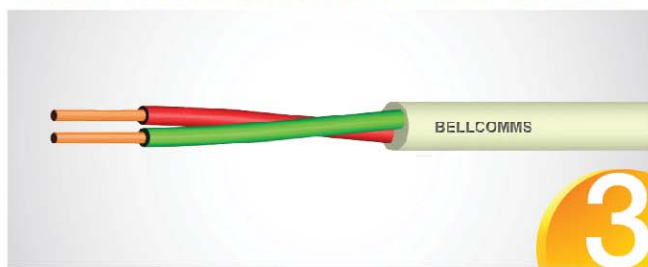


CATALOG **COPPER CABLE**

Telephone Cable / Drop Wire Cable
Fire Alarm Cable / BAS Cable
Multi Core Cable / Multi Pairs Cable
Speaker Cable

Content

TELEPHONE STATION WIRE CABLE



MULTI-CORE CABLE (UL-2464)



DROP WIRE CABLE



MULTI-PAIRS CABLE (UL-2919)



FIRE ALARM CABLE



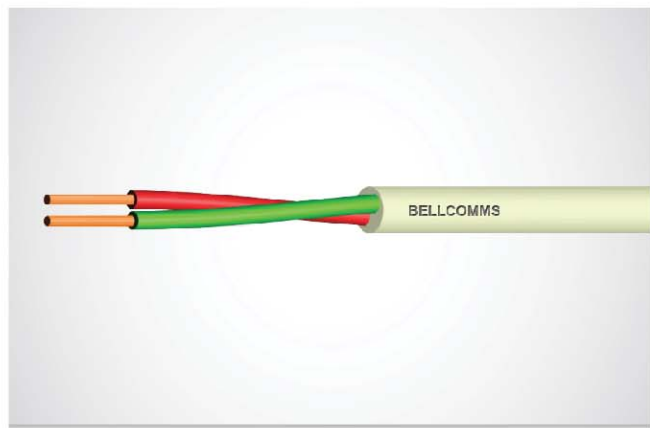
SPEAKER CABLE



BAS CABLE



TELEPHONE STATION WIRE



Construction

- Solid Center Conductor
- HDPE Insulation
- High Quality PVC Jacket

Applications/Usages

- Interconnecting of both Internal/External Telephone System
- Interconnecting of High Bandwidth VDO Phone System

Insulation color code.

- 2 Cores : Red, Green
- 4 Cores : Red, Green, Yellow, Black
- 6 Cores : Red, Green, Yellow, Black, White, Brown

Standard Packing

- 100 Meters/Coil, 200 Meters/Coil
- 305 Meters/Spool, 500 Meters/Spool [Others packing are also available upon request]

Ordering Informations

Part No.	Descriptions
BCM-ST0224	2 Cores AWG24 Station Wire Ø0.50 mm Bare Copper
BCM-ST0424	4 Cores AWG24 Station Wire Ø0.50 mm Bare Copper
BCM-ST0624	6 Cores AWG24 Station Wire Ø0.50 mm Bare Copper
BCM-ST0222	2 Cores AWG22 Station Wire Ø0.65 mm Bare Copper
BCM-ST0422	4 Cores AWG22 Station Wire Ø0.65 mm Bare Copper
BCM-ST0622	6 Cores AWG22 Station Wire Ø0.65 mm Bare Copper
BCM-ST0219	2 Cores AWG19 Station Wire Ø0.90 mm Bare Copper

Cable Physical Constructions

Product Code	Descriptions	Center Conductor	Insulation	No. of Core	Jacket OD	Nom. Inner DC Resistance @20C (Electrical Specifications)	Weight (+/-2 Kg.KM)
BCM-ST0224	2 Cores AWG24 Station Wire	Ø0.50 mm Bare Copper	Ø1.00 mm HDPE	2	Ø 3.00	87.57 Ohm/Km	13.10
BCM-ST0424	4 Cores AWG24 Station Wire	Ø0.50 mm Bare Copper	Ø1.00 mm HDPE	4	Ø 3.40	87.57 Ohm/Km	18.36
BCM-ST0624	6 Cores AWG24 Station Wire	Ø0.50 mm Bare Copper	Ø1.00 mm HDPE	6	Ø 3.80	87.57 Ohm/Km	24.00
BCM-ST0222	2 Cores AWG22 Station Wire	Ø0.65 mm Bare Copper	Ø1.05 mm HDPE	2	Ø 3.20	55.09 Ohm/Km	21.78
BCM-ST0422	4 Cores AWG22 Station Wire	Ø0.65 mm Bare Copper	Ø1.05 mm HDPE	4	Ø 3.80	55.09 Ohm/Km	25.98
BCM-ST0622	6 Cores AWG22 Station Wire	Ø0.65 mm Bare Copper	Ø1.05 mm HDPE	6	Ø 4.40	55.09 Ohm/Km	36.17
BCM-ST0219	2 Cores AWG19 Station Wire	Ø0.90 mm Bare Copper	Ø1.60 mm HDPE	2	Ø 4.20	29.20 Ohm/Km	29.08

Note : Others no. of Cores and special jacket colors are all available upon request.

DROP WIRE PVC INSULATED AND SELF - SUPPORTED TELEPHONE DROP



Construction

- Conductor Size: 0.65 and 0.9 mm., solid wire annealed copper.
- Support wire Galvanized steel wire (Nominal diameter of wire 1.2 mm.)
- Insulation Black, Polyvinyl chloride (PVC.)

Applications/Usages

- Extending the telephone circuit from aerial distribution cable terminating to building entrance protection.

Ordering Informations

Part No.	Descriptions
BCM-DP0265	2 Cores AWG22 Drop Wire Ø0.65 mm Bare Copper
BCM-DP0209	2 Cores AWG19 Drop Wire Ø0.90 mm Bare Copper

Electrical Characteristic

Conductor Size (mm.)	Max. D.C. conductor resistance at 20 C (Ohm / Km.)	Dielectric strength between conductor (in water) (kVrms. at 1 Min.)	Min. Insulation resistance at 20 C (Megaohms - Km.)
0.65	57.1	1.5	400
0.9	28.5	1.5	400

Dimension

Core and Diameter (core x mm.)	Nominal insulation Thickness (mm.)	Insulation Diameter Conductor (mm.)	Insulation Diameter Supporting (mm.)	Approx. Weight (Kg. / Km.)	Standard Length (m.)
2 x 0.65	1.00	2.64	3.2	42	200/C
2 x 0.9	1.05	3.01	3.3	52	200/C

FIRE ALARM CABLE, 105C



Applications/Usages

- Fire Alarm System
- Smoke Detector
- Critical Central Fire System
- Control Circuits
- Notification Circuits

Standard

- UL 1685 NEC type FPL
- UL 1666 NEC type FPLR 300v

Ordering Informations

Part No.	Descriptions
FA0120	FIRE ALARM, SHIELD 2 X 20AWG, 1 PAIR, FPL
FA0118*	FIRE ALARM, SHIELD 2 X 18AWG, 1 PAIR, FPL
FA0116*	FIRE ALARM, SHIELD 2 X 16AWG, 1 PAIR, FPL
FA0114*	FIRE ALARM, SHIELD 2 X 14AWG, 1 PAIR, FPL
FA0112	FIRE ALARM, SHIELD 2 X 12AWG, 1 PAIR, FPL
FA0120R	FIRE ALARM, SHIELD 2 X 20AWG, 1 PAIR, FPLR
FA0118R*	FIRE ALARM, SHIELD 2 X 18AWG, 1 PAIR, FPLR
FA0116R*	FIRE ALARM, SHIELD 2 X 16AWG, 1 PAIR, FPLR
FA0114R	FIRE ALARM, SHIELD 2 X 14AWG, 1 PAIR, FPLR
FA0112R	FIRE ALARM, SHIELD 2 X 12AWG, 1 PAIR, FPLR

* Best Seller

Physical Construction & Properties

Physical Construction	Properties
CONDUCTOR	Solid Bare Copper
INSULATION	105C Rated PVC (Black, Red)
CONFIG	2 Cores Twisted with Mylar Tape Wrapping
SHIELDING	AWG22 Stranded Tinned Copper Drain Wire, + 100% Overlapped AL/P-Foil Turning Inward
JACKET	105 C Rated PVC [Red]
VOLTAGE RATING	300 V
TEMP. RATING	105 C
FLAME TEST	VW-1 Vertical Flame Test

Electrical Characteristic

Part No.	UL NEC type	No. of Pair	Nom. Conductor (AWG)	Nom. Conductor (No./mm)	Nom. Insulation (inch / mm)	Drain Wire (Size)	Jacket thick (mm)	Nom. OD	Standard Color
FA0120	UL1685 FPL	1	20	1/0.81	0.008/0.2	AWG22	0.8 ± 0.15	5.5	Red
FA0118	UL1685 FPL	1	18	1/1.02	0.015/0.4	AWG22	0.9 ± 0.15	5.9	Red
FA0116	UL1685 FPL	1	16	1/1.29	0.015/0.4	AWG22	0.9 ± 0.15	6.1	Red
FA0114	UL1685 FPL	1	14	1/1.63	0.023/0.6	AWG22	1.0 ± 0.15	7.8	Red
FA0112	UL1685 FPL	1	12	1/2.05	0.023/0.6	AWG22	1.1 ± 0.15	8.7	Red

Part No.	UL NEC type	No. of Pair	Nom. Conductor (AWG)	Nom. Conductor (No./mm)	Nom. Insulation (inch / mm)	Drain Wire (Size)	Jacket thick (mm)	Nom. OD	Standard Color
FA0120R	UL1666 FPLR	1	20	1/0.81	0.008/0.2	AWG22	0.8 ± 0.15	5.5	Red
FA0118R	UL1666 FPLR	1	18	1/1.02	0.015/0.4	AWG22	0.9 ± 0.15	5.9	Red
FA0116R	UL1666 FPLR	1	16	1/1.29	0.015/0.4	AWG22	0.9 ± 0.15	6.1	Red
FA0114R	UL1666 FPLR	1	14	1/1.63	0.023/0.6	AWG22	1.0 ± 0.15	7.8	Red
FA0112R	UL1666 FPLR	1	12	1/2.05	0.023/0.6	AWG22	1.1 ± 0.15	8.7	Red

Standard Packing : 500M/Roll

BAS CABLE (BUILDING AUTOMATIC SYSTEM)



Applications/Usages

- Fire Alarm System
- Smoke Detector
- Critical Central Fire System
- Control Circuits
- Notification Circuits
- UL-RS485(1,000m. length)

Standard

- UL 1685 NEC type FPL

Physical Construction & Properties

Physical Construction	Properties
CONDUCTOR	Solid Bare Copper
INSULATION	105C Rated PVC (Black, Red)
CONFIG	2 or 4 Cores Twisted with Mylar Tape Wrapping
SHIELDING	AWG22 Stranded Tinned Copper Drain Wire, + 100% Overlapped AL/P-Foil Turning Inward
JACKET	105 C Rated PVC [Red]
VOLTAGE RATING	300 V
TEMP. RATING	105 C
FLAME TEST	VW-1 Vertical Flame Test



Ordering Informations

Part No.	Descriptions
BAS0122	BAS, TWISTED PAIR SHIELD 1 x 22AWG, 1PAIR
BAS0120	BAS, TWISTED PAIR SHIELD 1 x 20AWG, 1PAIR
BAS0118*	BAS, TWISTED PAIR SHIELD 1 x 18AWG, 1PAIR
BAS0116	BAS, TWISTED PAIR SHIELD 1 x 16AWG, 1PAIR
BAS0222	BAS, TWISTED PAIR SHIELD 2 x 22AWG, 2 PAIR
BAS0220	BAS, TWISTED PAIR SHIELD 2 x 20AWG, 2 PAIR
BAS0218*	BAS, TWISTED PAIR SHIELD 2 x 18AWG, 2 PAIR
BAS0216	BAS, TWISTED PAIR SHIELD 2 x 16AWG, 2 PAIR

* Best Seller

Electrical Characteristic

Part No.	UL NEC type	No. of Pair	Nom. Conductor (AWG)	Nom. Conductor (No./mm)	Nom. Insulation (inch / mm)	Drain Wire (Size)	Jacket thick (mm)	Nom. OD	Standard Color
BAS0122	UL1685 CM	1	22	7/0.254	0.02/0.41	AWG22	0.64 ± 0.15	4.5	Grey
BAS0120	UL1685 CM	1	20	7/0.321	0.02/0.41	AWG20	0.71 ± 0.15	5.2	Grey
BAS0118	UL1685 CM	1	18	16/0.254	0.02/0.46	AWG20	0.71 ± 0.15	5.7	Grey
BAS0116	UL1685 CM	1	16	26/0.254	0.03/0.81	AWG18	0.81 ± 0.15	7.9	Grey

Standard Packing : 500M/Roll

Part No.	UL NEC type	No. of Pair	Nom. Conductor (AWG)	Nom. Conductor (No./mm)	Nom. Insulation (inch / mm)	Drain Wire (Size)	Jacket thick (mm)	Nom. OD	Standard Color
BAS0222	UL1685 CM	2	22	7/0.254	0.02/0.41	AWG22	0.64 ± 0.15	5.3	Grey
BAS0220	UL1685 CM	2	20	7/0.321	0.02/0.41	AWG20	0.71 ± 0.15	6.0	Grey
BAS0218	UL1685 CM	2	18	16/0.254	0.02/0.46	AWG20	0.71 ± 0.15	6.5	Grey
BAS0216	UL1685 CM	2	16	26/0.254	0.03/0.81	AWG18	0.81 ± 0.15	8.7	Grey

Standard Packing : 500M/Roll

Multi-Core Cable UL-2464



Applications/Usages

- For internal wiring and external interconnection of electronic equipment
- RS-423, RS-232C Heavy-Duty

Physical Construction & Properties, Multi-core Cable, UI-2464

Physical Construction	Properties
CONDUCTOR	7/0.20 mm Stranded Tinned Copper
INSULATION	Color Code PVC
CONFIG	Multi-Cable twisted to group
SHIELDING	100% Overlapped AL/P-Foil + Tinned Copper Wire Braid Shield (65%)
JACKET	PVC 70C Rated
VOLTAGE RATING	300V
TEMP. RATING	70C
FLAME TEST	VW-1 Vertical Flame Test

Ordering Informations, UL-2464

Part No.	Descriptions
MC0424D*	MULTI-CORE 4 CORE (Double Shield), 24AWG, UL-2426
MC0824D*	MULTI-CORE 8 CORE (Double Shield), 24AWG, UL-2426
MC1224D	MULTI-CORE 12 CORE (Double Shield), 24AWG, UL-2426
MC2524D	MULTI-CORE 25 CORE (Double Shield), 24AWG, UL-2426
MC2524S	MULTI-CORE 25 CORE (Double Shield), 24AWG, UL-2426

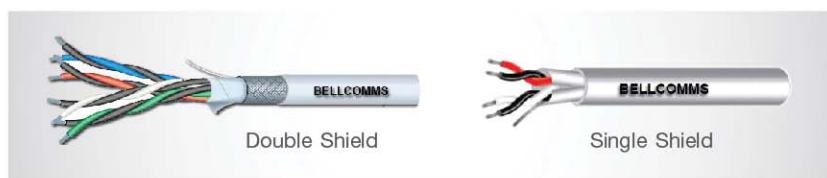
* Best Seller

Electrical Characteristic, Multi-core Cable, UI-2464

Part No.	Standards	Shield	Conductor (AWG)	Conductor (No./mm)	Core	Insulation thickness(mm)	Braid Shield No./mm	Jacket Thickness(mm.)	Overall Diameter(mm.)	Nominal Capa. (A)pF/ft / (B)pF/ft
MC0424D	UL2464 CSA I/IIA(AWM)	Double Shield	24	7/0.23	4	0.25	16/5/0.127	0.80	5.1±0.15	35/65
MC0824D	UL2464 CSA I/IIA(AWM)	Double Shield	24	7/0.23	8	0.25	16/8/0.127	0.80	6.2±0.15	30/55
MC1224D	UL2464 CSA I/IIA(AWM)	Double Shield	24	7/0.23	12	0.25	24/8/0.127	0.85	7.4±0.20	30/55
MC2524D	UL2464 CSA I/IIA(AWM)	Double Shield	24	7/0.23	25	0.25	24/8/0.127	1.00	9.1±0.25	30/55
MC2524S	UL2464 CSA I/IIA(AWM)	Single Shield	24	7/0.23	25	0.25	-	1.00	8.6±0.20	30/55

Standard Packing : 500M/Roll

Multi-Pairs Cable UL-2919



Applications/Usages

- For internal wiring and external interconnection of electronic equipment
- RS-423, RS-422 or RS-485 Heavy-Duty

Physical Construction & Properties, Multi-Pairs Cable, UL-2919

Physical Construction	Properties
CONDUCTOR	7/0.20 mm Stranded Tinned Copper
INSULATION	Color Code PVC
CONFIG	Multi-Pairs twisted to group
SHIELDING	100% Overlapped AL/P-Foil
JACKET	PVC 70C Rated
VOLTAGE RATING	300V
TEMP. RATING	70C
FLAME TEST	VW-1 Vertical Flame Test

Ordering Informations,UL-2919

Part No.	Descriptions
MP0224S*	MULTI-PAIRS 2 PAIRS (Single Shield), 24AWG, UL-2919
MP0224D*	MULTI-PAIRS 2 PAIRS (Double Shield), 24AWG, UL-2919
MP0424S	MULTI-PAIRS 4 PAIRS (Single Shield), 24AWG, UL-2919
MP0424D	MULTI-PAIRS 4 PAIRS (Double Shield), 24AWG, UL-2919
MP0624S	MULTI-PAIRS 6 PAIRS (Single Shield), 24AWG, UL-2919
MP1224S	MULTI-PAIRS 12 PAIRS (Single Shield), 24AWG, UL-2919
MP2524S	MULTI-PAIRS 25 CORE (Single Shield), 24AWG, UL-2919

* Best Seller

Electrical Characteristic, Multi-Pairs Cable, UL-2919

Part No.	Standards	Shield	Conductor (AWG)	Conductor (No./mm)	Core	Insulation thickness(mm)	Braid Shield No./mm	Jacket Thickness(mm.)	Overall Diameter(mm.)	Nominal Capa. (A)pF/ft / (B)pF/ft
MP0224S	UL2919 CSA I/IIA(AWM)	Single Shield	24	7/0.23	2	0.25	-	0.80	7.2±0.15	16/5.25
MP0224D	UL2919 CSA I/IIA(AWM)	Double Shield	24	7/0.23	2	0.25	-	0.80	7.2±0.15	16/5.25
MP0424S	UL2919 CSA I/IIA(AWM)	Single Shield	24	7/0.23	4	0.25	-	1.00	6.2±0.15	16/5.25
MP0424D	UL2919 CSA I/IIA(AWM)	Double Shield	24	7/0.23	4	0.25	-	1.00	6.2±0.15	16/5.25
MP0624S	UL2919 CSA I/IIA(AWM)	Single Shield	24	7/0.23	6	0.25	-	11.10	8.2±0.20	16/5.25
MP1224S	UL2919 CSA I/IIA(AWM)	Single Shield	24	7/0.23	12	0.25	-	1.30	11.5±0.25	16/5.25
MP2524S	UL2919 CSA I/IIA(AWM)	Single Shield	24	7/0.23	25	0.25	-	1.00	8.6±0.20	30/5.25

Standard Packing : 500M/Roll

Speaker Cable



Applications/Usages

- Multi-conductor-audio/sound
- control & instrumentation cables

Physical Construction & Properties

Physical Construction	Properties	Properties
Core	2	2
Conductor	Oxygen Free Copper Wire Strands	Oxygen Free Copper Wire Strands
AWG	6 (1.307 sq.mm)	6 (1.307 sq.mm)
Stranding (wire NO /wire dia mm)	65/0.16	65/0.16
Insulation		
Material	PVC	PVC
Thickness(mm)	0.25	0.25
Insulation Diameter(mm)	2	2
Color	According to customer	According to customer
Ripcord		
Material	Nylon (150D)	Nylon (150D)
Jacket Material	PVC	PVC
Nominal Thickness (mm)	0.55+- 0.05	0.55+- 0.05
Cable Dia. (mm)	5.3+-0.2	5.3+-0.2
Electrical Performance		
Operation Temperature(degree)	75	75
Voltage Rating (V)	300	300
Mechanical Characteristics		
Test Objective	Jacket	Jacket
Test Material	PVC	PVC
Cold Bend (-20+-2 Xhrs)	No crack	No crack

Standard Packing : 100 or 500M/Roll

Ordering Informations

Part No.	Descriptions
BC-0518B	SPEAKER 2C, 18 AWG, 42-Strand, Black, CL2, 100M/ Spool
BC-0518W	SPEAKER 2C, 18 AWG, 42-Strand, White, CL2, 100M/ Spool
BC-0516B	SPEAKER 2C, 16 AWG, 65-Strand, Black, CL2, 100M/ Spool
BC-0516W*	SPEAKER 2C, 16 AWG, 65-Strand, White, CL2, 100M/ Spool
BC-0514B	SPEAKER 2C, 14 AWG, 105-Strand, Black, CL2, 100M/ Spool
BC-0514W	SPEAKER 2C, 14 AWG, 105-Strand, White, CL2, 100M/ Spool
BC-0618B	SPEAKER 4C, 18 AWG, 42-Strand, Black, CL2, 100M/ Spool
BC-0618W*	SPEAKER 4C, 18 AWG, 42-Strand, White, CL2, 100M/ Spool
BC-0616B	SPEAKER 4C, 16 AWG, 65-Strand, Black, CL2, 100M/ Spool
BC-0616W	SPEAKER 4C, 16 AWG, 65-Strand, White, CL2, 100M/ Spool

* Best Seller



NCS NETWORKS COMMUNICATION SOLUTION CO.,LTD.

บริษัท เอ็น ซี เอส เน็ตเวิร์ค คอมมูนิเคชั่น โซลูชั่น จำกัด

39/4-7 Khlong Lamchiak Rd., Newamin Buengkum Bangkok Thailand. 10230
39/4-7 ถนนคลองลำเจียก แขวงนาวันบุรี เขตปทุมวัน กรุงเทพมหานคร 10230

Tel : 0-2508-0977 (20 Lines) Fax : 0-2508-0981

www.ncsnetwork.com E-mail: ncs@ncsnetwork.com