Goldmedal®
WIRES AND SYSTEMS

WIRED FOR SAFETY

GOLDMEDAL
WIRES AND SYSTEMS

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Goldmedal® WIRES AND SYSTEMS

Wires & Cables Manual

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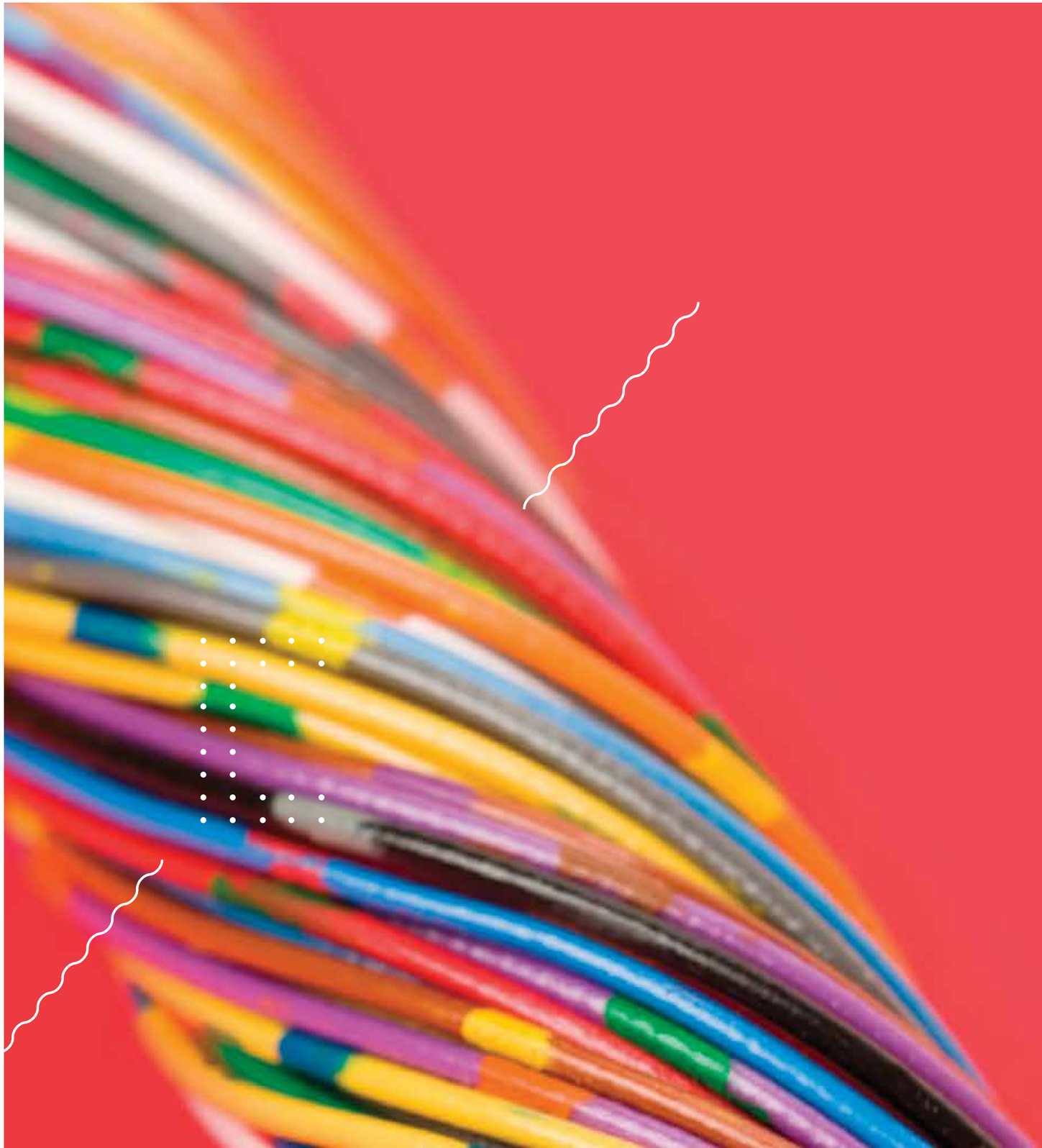


Setting standards

For a company that is known for its innovations in the field of home automation and wiring devices, Goldmedal started its foray in the industry with Wires and Cables. The success of this venture spurred the company's future initiatives into switches and allied products.

Today, the Goldmedal Group manufactures almost every electrical fitting that is part of a modern home or office. From home automation devices to mechanical switches and systems to LEDs, doorbells, MCBs and DBs, accessories, PVC pipes, wires and cables and more.

Wires and cables are the true unsung heroes of every safe home and office establishment. They play a silent but critical role in the electrification process. Hidden from view, they power a multitude of electrical activities – while at the same time, making sure there are no untoward incidents. On duty at all times, delivering optimum performance every single time, good quality wires and cables are truly high performance devices.

A brand known for delivering the highest quality of products in the electrical industry, Goldmedal is equally committed to manufacturing best-in-class products and innovations in wires and cables. We look forward to making your world a safer more efficient place.

At **GOLDMEDAL**, we take pride in creating high quality wires and cables.

Choosing the right wiring system can ensure safety and peace of mind for all concerned.

For most people, a wire is an indistinguishable part of the electrical system in homes and offices. It has a simple role to play: deliver current from the source of power to all electrical devices. Nothing more, nothing less.

But things are not as simple as that, for many reasons.

Choosing the right wire is a critical part of ensuring a safe and productive environment whether at home or at work. It's a fact that most electrical wires either start or get escalated due to faulty or low-cost wires. Compromising on the quality of wires you use is inviting the danger of fire into your lives.

At Goldmedal, we take pride in creating high quality wires and cables. Awarded the ISO 9001-2015 for our quality systems, we follow the concept of Total Quality Management (TQM) in every aspect of our functioning: from selecting the raw material to design, manufacturing, packaging and distribution. Every wire and cable manufactured by Goldmedal carries the assurance of genuine quality.

Presenting our wires and cables mascot. We call him, "Wireman".

To help the industry identify authentic Goldmedal products from the ordinary, look out for Goldmedal's unique packaging along with our "Wireman" mascot and exclusive Hologram on it. We at Goldmedal look forward to your support in safeguarding the interest of the consumer by providing the best quality products. Be a part of this effort to make lives safer and better.

GOLDMEDAL WIREMAN

A wire is not just a wire. It can prove to be life-saving in case of an adversity.

As a user, it's really difficult to judge the quality of a wire. They all look the same.

How, for example, can you make out the quality of the copper used? Do they use superior copper of electrolytic grade 99.97%? Does it have the ISI mark of quality: IS 694? How about the insulation – is it fire resistant and emit low smoke in case it burns? Does it have the highest possible melting threshold – of at least 100° C?

You may try to get all these information while buying your wires or you could simply check for the Goldmedal Wireman on the wire packaging you buy!

Goldmedal® WIRES AND SYSTEMS

WIRED
FOR SAFETY

The Goldmedal Wireman makes choosing the highest quality wires so much easier!

Goldmedal is aware that a major reason for most fire accidents are the use of low-quality wires and cables with inferior quality insulation or conductor. Like most accidents, the majority of these electrical incidents are preventable – if high quality wires and cables are used! The Wireman is the symbol of the high standards adhered by Goldmedal. Consider him your safety shield. A symbol that you can rely on!

Change to Goldmedal Wires. Switch to the Wireman.

Goldmedal
WIRES AND SYSTEMS

FR

FLAME RETARDANT

Does not catch flame | Does not propagate fire | Non-Toxic and Non-Corrosive

FR FLAME RETARDANT WIRE

Wires that resist fire! Added protection for your loved ones and property.

The Flame Retardant (FR) grade wires have self-extinguishable properties which ensures that in case of a fire, they do not act as fuel to the fire. With a Limited Oxygen Content of 29%, these wires will resist catching fire till the amount of oxygen in the surroundings is 29% (normally it is 21%). In addition, it has a Temperature Index greater than 250° C. So even in the case of very high temperatures, the FR wires will continue to resist fires!

FLAME RETARDANT

Does not catch flame | Does not propagate fire | Non-toxic and non-corrosive

Applications : Wiring in all installations where fire safety is more important. Schools, theaters, commercial complexes, air conditioned apartments, high rise buildings, fire alarms and emergency lighting circuits.

Specifications : Generally conforms to, IEC 60227-1 to 5, IEC 60332-1 & 3, IEEE 383, IEC 60754-1 & 2, IS-8130:2013, IS-694:2010, IS-5831:1984.

Conductor : Thin strands of Electrolytic Copper are multi–drawn simultaneously for uniformity of Resistance, Dimension, and Flexibility. Flame retardant cables are made of Electrolytic Grade, bright annealed bare copper with more than 100% conductivity conforming to IS: 8130:2013.

Insulation : The conductor is insulated with FR Grade PVC Compound having high insulation resistance, oxygen index, temperature index and dialectic Strength, which prevents leakage of electric current. The flame retardant properties minimize the spread of fire which ensure complete safety during overload & short circuits. Thus, the electronic printed circuit boards, hard disks and other sensitive electronic equipments are unaffected.

Marking : The cables are marked "GOLDMEDAL CABLES-FR (Size)1100V IS:694 CM/L NO-3067047".

Colours : Black, Red, Blue, Yellow, Green.

Size, Construction and Current rating

Conductor Area mm²	Insulation Thickness (mm)	Number of Strands/ Nominal Dia. of Strand (mm)	Max. Overall Diameter (mm)	Conductor Resistance Ohm/km Max at 20°C	Current Rating Amps.	
					Casting	Concealed
1.0	0.7	14/0.3	3.2	18.1	14	13
1.5	0.7	22/0.3	3.4	12.1	18	16
2.5	0.8	36/0.3	4.2	7.41	24	20
4.0	0.8	56/0.3	4.8	4.95	32	26

Goldmedal WIRES AND SYSTEMS

FLAME RETARDANT

GOLDMEDAL - FLAME RETARDANT MULTI STRAND
single core unsheathed flexible cables in voltage grade upto and including 1100 V. (With ISI Mark)

Product Code	No. of Strands/ Nom. Dia. of Strand (mm)	Length in mtr.	Nom. area of cond. mm²
06 101	24 / 0.2	(90 mtr.)	0.75
06 102	14 / 0.3	(90 mtr.)	1.0
06 103	22 / 0.3	(90 mtr.)	1.5
06 104	36 / 0.3	(90 mtr.)	2.5
06 105	56 / 0.3	(90 mtr.)	4.0
06 106	84 / 0.3	(90 mtr.)	6.0
06 123*	28 / 0.3	(90 mtr.)	2.0

Available in 90 mtr. box packing

06 107	140 / 0.3	(90 mtr.)	10.0
06 108	126 / 0.4	(90 mtr.)	16.0
06 109	196 / 0.4	(90 mtr.)	25.0
06 110	276 / 0.4	(90 mtr.)	35.0
06 111	396 / 0.4	(90 mfr.)	50.0
06 112	556 / 0.4	(90 mtr.)	70.0

ıilable in polythene & cloth Packing

06 129	14 / 0.3	(45 mtr.)	1.0
06 130	22 / 0.3	(45 mtr.)	1.5
06 131	36 / 0.3	(45 mtr)	2.5
06 132	56 / 0.3	(45 mtr.)	4.0
06 133	84 / 0.3	(45 mtr.)	6.0
06 150*	28 / 0.3	(45 mtr.)	2.0

Available in 45 mtr. pouch packing

06 134	24 / 0.2	(180 mtr.)	0.75
06 135	32 / 0.2	(180 mtr.)	1.0
06 136	30 / 0.25	(180 mtr.)	1.5
06 137	50 / 0.25	(180 mtr.)	2.5
06 143	56 / 0.3	(180 mtr.)	4.0
06 144	84 / 0.3	(180 mtr.)	6.0
06 138*	28 / 0.3	(180 mtr.)	2.0

Available in 180 mtr. pouch packing

06 139	24 / 0.2	(270 mtr.)	0.75
06 140	32 / 0.2	(270 mtr.)	1.0
06 141	30 / 0.25	(270 mtr.)	1.5
06 142	50 / 0.25	(270 mtr)	2.5
06 156*	28 / 0.3	(270 mtr)	2.0

Available in 270 mtr. pouch packing

*2.0 mm² Wire is not part of ISI standards

FR LSH

FLAME RETARDANT LOW SMOKE HALOGEN

Smoke is the silent killer. FR-LSH wires produce low smoke in case of a fire!

Almost 80% of casualties in an electrical fire is due to inhalation of fumes and the poor visibility caused by smoke. The Flame Retardant Low Smoke Halogen (FR-LSH) wires ensure visibility of at least 40% which helps people navigate through a fire. Low smoke also enables fire fighters to navigate easily while rescuing people trapped indoors or within buildings.

FLAME RETARDANT LOW SMOKE HALOGEN & VIR CABLE

Special Flame Retardant Low Smoke Halogen (FR-LSH) insulation
Higher current rating | Higher temperature rating

Applications : Suitable for use in conduit and for fixed protected insulation. Particularly suitable for wiring in fire and explosion prone areas, chemical factories, densely wired areas, public buildings, schools, hospitals, commercial complexes, theatres etc.

Specifications : Generally conforms to, IS 694:2010, IEC 60227-1 to 5, IEC 60332-1, IEC 60754-1 & 2, IS 8130:2013 & IS 5831:1984.

Conductor : FR-LSH Cables are made of Electrolytic Grade, bright annealed bare copper with more than 100% conductivity conforming to IS 8130:2013.

Insulation : The conductors are insulated with FR-LSH Compound with oxygen index of >29% which increases its efficiency in fire fighting. FR-LSH Cables produce very less toxic gases during burning as compared to general PVC insulated wire. This ensures improved visibility for evacuation of trapped victims and facilitates fire-fighting operations.

Marking : The cables are printed with generic marking 'GOLDMEDAL CABLES FR-LSH (size) 1100V IS 694 CM/L NO: 3067047.

Colours : Double strips of Silver Grey or bright orange on base colour Red, Yellow, Blue, Black, and Green running along the length of the cable.

Size Construction and Current rating

Conductor Area mm²	Insulation Thickness (mm)	Number of Strands/ Nominal Dia. of Strand (mm)	Max. Overall Diameter (mm)	Conductor Resistance Ohm/km Max at 20ºC	Current Rating Amps.	
					Casting	Concealed
1.0	0.7	14/0.3	3.2	18.1	14	13
1.5	0.7	22/0.3	3.4	12.1	18	16
2.5	0.8	36/0.3	4.2	7.41	24	20
4.0	0.8	56/0.3	4.8	4.95	32	26

Electrical safety depends on following characteristics

- Smoke
- Hazardous gas generation
- Rate of heat release
- Flame spread
- Rate of burning

FR-LSH Properties

Properties	Test method	Value
Limited Oxygen Index	ASTM - D 2863	>29%
Temperature Index	ASTM - D 2863	>250ºC
Smoke Density (Light absorption)	ASTM - D 2843	<60%
Halogen Acidgas Generation	IEC: 60754-1 EN 50627-2-1	20% MAX
Flame Test on Single Cable	IEC: 60332-1 EN 50265	AS PER SPECIFICATION

In case of fire in a closed space, trapped people are unable to find the exit due to emission of thick black smoke and lose consciousness due to the inhalation of toxic fumes before they can be evacuated to safety.

The advantages of low smoke and low acid gas generation are additional and critical features available with FR-LSH wires in comparison with FR (Flame Retardant) wires which do not have these properties.

Goldmedal® WIRES AND SYSTEMS

FR-LSH

FRLSH (FLAME RETARDANT LOW SMOKE HALOGEN) MULTI STRAND single core unsheathed flexible cables in voltage grade upto and including 1100 V. With ISI Mark

Product Code	No. of Strands/ Nom. Dia. of Strand (mm)	Length in mtr.	Nom. area of cond. mm²
06 162	14 / 0.3	(90 mtr.)	1.0
06 163	22 / 0.3	(90 mtr.)	1.5
06 164	36 / 0.3	(90 mtr.)	2.5
06 165	56 / 0.3	(90 mtr.)	4.0
06 161	84 / 0.3	(90 mtr.)	6.0
06 191	140 / 0.3	(90 mtr.)	10.0
06 192	32 / 0.2	(180 mtr.)	1.0
06 193	30 / 0.25	(180 mtr.)	1.5
06 194	50 / 0.25	(180 mtr.)	2.5
06 195	56 / 0.3	(180 mtr.)	4.0
06 196	84 / 0.3	(180 mtr.)	6.0
06 197	140 / 0.3	(180 mtr.)	10.0

Goldmedal FR-LSH wires are made from specially formulated & compounded PVC Polymers that restrict the toxic gases and smoke as they are self extinguishing and do not allow the fire to spread.

Available in 90 mtr. box packing & 180 mtr. polythene & cloth packing

VIR PVC insulated unsheathed copper twisted wire

Product Code	No. of Strands/ Nom. Dia. of Strand (inch)	Length in mtr.	No. of Strands/ S. W. G.
06 174	1 / 0.044	(90 mtr.)	1 / 18
06 175	1 / 0.040	(90 mtr.)	1 / 19
06 176	1 / 0.036	(90 mtr.)	1 / 20
06 177	1 / 0.032	(90 mtr.)	1 / 21
06 178	Heavy 3 / 0.036	(90 mtr.)	3 / 20
06 179	Economy 3 / 0.036	(90 mtr.)	3 / 20
06 180	7 / 0.036	(90 mtr.)	7 / 20
06 182	7 / 0.044	(90 mtr.)	7 / 18
06 183	Heavy 7 / 0.064	(90 mtr.)	7 / 16
06 184	Economy 7 / 0.064	(90 mtr.)	7 / 16
06 185	19 / 0.044	(90 mtr.)	19 / 18
06 186	Heavy 19 / 0.064	(90 mtr.)	19 / 16
06 187	Economy 19 / 0.064	(90 mtr.)	19 / 16
06 188	19 / 0.083	(90 mtr.)	19 / 14
06 189	Economy 3 / 0.036	(450 mtr.)	3 / 20
06 190	Heavy 3 / 0.036	(450 mtr.)	3 / 20

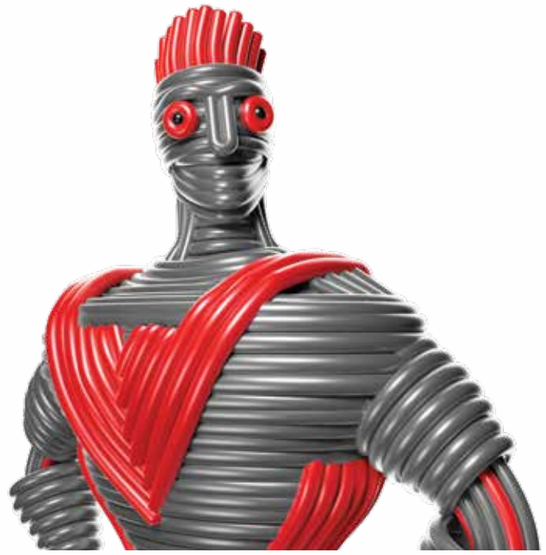
Available in 90 mtr. polythene & cloth packing.

Available in 450 mtr. attractive plastic drum.

ZH FR

ZERO HALOGEN

FLAME RETARDANT



Zero Halogen wires. Zero compromises with your safety.

During a fire, along with dense smoke, wires can also release toxic chemicals that can suffocate people and prevent fire fighters from evacuating people. The Zero Halogen Flame Retardant (ZHFR) wires not only reduce the amount of smoke but also the amount of gases in the surrounding areas. Opt for ZHFR wires in case of indoor applications while FR-LSH wires can be the choice for applications in open spaces.

ZERO HALOGEN FLAME RETARDANT

Zero Halogen | Does not catch fire | Does not propagate fire | Non-Toxic and Non-Corrosive

Applications : Wiring in all installations where the fire safety is more important. Schools, theaters, commercial complexes, air conditioned apartments, high rise buildings, fire alarms and emergency lighting circuits.

Specifications : Generally conforms to, IS 694:2010, IS 8130:2013, IS 5831:1984, IEEE 383, IEEE 754-1&2, ASTM-2843 & ASTM-2863

Conductor : ZHFR Cables are made of bright annealed bare copper of highly electrolytic grade with more than 100% conductivity conforming to IS 8130:2013. Thin strands of Electrolytic Copper are multi–drawn simultaneously for uniformity of Resistance, Dimension, and Flexibility. The drawn strands are bunched in high precision machines. A circular conductor is thus formed.

Insulation : ZHFR (Zero Halogen Flame Retardant) Cables are made with a non PVC material specially formulated with the help of advanced polymer technology. It does not emit highly corrosive halogen acid gases / toxic fumes and has almost nil smoke. These cables are crucial in high technology and heavy footfall areas to combat fire threats and save precious lives.

Marking : The cables are marked "GOLDMEDAL CABLES-ZHFR (Size)1100V IS 694 CM/L NO-3067047".

Colours : Black, Red, Blue, Yellow, Green.

Size Construction and Current rating

Conductor Area mm^2	Insulation Thickness (mm)	Number of Strands/ Nominal Dia. of Strands (mm)	Max. Overall Diameter (mm)	Conductor Resistance Ohm/km Max at 20°C)	Current Rating Amps.	
					Casting	Concealed
1.0	0.7	14/0.3	3.2	18.1	14	13
1.5	0.7	22/0.3	3.4	12.1	18	16
2.5	0.8	36/0.3	4.2	7.41	24	20
4.0	0.8	56/0.3	4.8	4.95	32	26

ZH FR Properties

Properties	Test method	Value
Limited Oxygen Index	ASTM - D 2863	>29%
Temperature Index	ASTM - D 2863	>250°C
Smoke Density (Light absorption)	ASTM - D 2843	<60%
Acid Gas Generation	IEC - 60754-1	<5%

ZH FR

ZHFR (ZERO HALOGEN FLAME RETARDANT) MULTI STRAND
single core unsheathed flexible cables in voltage grade upto and including 1100 V.

With ISI Mark

Product Code	No. of Strands/ Nom. Dia. of Strand (mm)	Length in mtr.	Nom. area of cond. mm^2
06 170	14 / 0.3	(90 mtr.)	1.0
06 171	22 / 0.3	(90 mtr.)	1.5
06 172	36 / 0.3	(90 mtr.)	2.5
06 173	56 / 0.3	(90 mtr.)	4.0

- Good abrasion resistance
- Excellent mechanical and electrical properties
- Processed at highly sophisticated extrusion system
- Long-term reliability
- Excellent flame retardancy and low smoke

Available in 90 mtr. box packing & project pack for 180/270 mtr. polythene & cloth packing (on request)

HR FR

HEAT RESISTANT

FLAME RETARDANT

Safeguards you and your interests. Also protects the environment.

The Heat Resistant Fire Resistant (HRFR) wires are not only heat and fire resistant but also contain zero lead. The presence of lead in the PVC coating can be harmful to the environment during use or on disposal. These wires therefore not only protect you and your interests but is also gentle on the environment. Go green with Goldmedal HRFR wires!

HEAT RESISTANT FLAME RETARDANT

Higher current-carrying capacity offers economy of wire-gauge | Higher Temperature Rating | Steam and boiling water resistant

Applications : Suitable for use in conduit and for fixed, protected installation.

Specifications : Generally conforms to IS 694:2010, BS 6004, IEC 60227, DIN VDE 0281-3, SS-358, IS 8130:2013 & IS 5831:1984, BS 6231.

Conductor : Many thin strands of Electrolytic Copper are fine–drawn simultaneously for uniformity of Resistance, Dimension, and Flexibility. The drawn strands are twisted in high precision machines and compacted. This not only imparts circularity to the bunched conductor but also prevents the tendency of the strands to separate and exert internal pressure on the insulation when the cable is bent during installation and usage.

Insulation : Specially formulated Heat Resistant PVC compound is used. A rating of 105°C enables the cable to withstand overloads without compromising safety. "FR" property ensures the flame is not propagated. The insulation is resistant to boiling water, steam and vapors. This prevents ageing and cracking during usage in kitchens, bathrooms, damp walls, chemical industries, etc.

Marking : The cables are printed with generic marking "GOLDMEDAL CABLES-HRFR (Size)1100V IS:694 CM/L NO-3067047"

Colours : Black, Red, Blue, Yellow, Green.

Size Construction and Current rating

Conductor Area mm²	Insulation Thickness (mm)	Number of Strands/ Nominal Dia. of Strands (mm)	Max. Overall Diameter (mm)	Conductor Resistance Ohm/km Max at 20°C	Current Rating Amps.	
					Casting	Concealed
1.0	0.7	14/0.3	3.2	18.1	14	13
1.5	0.7	22/0.3	3.4	12.1	18	16
2.5	0.8	36/0.3	4.2	7.41	24	20
4.0	0.8	56/0.3	4.8	4.95	32	26
6.0	0.8	84/0.3	5.6	3.30	42	35

Goldmedal WIRES AND SYSTEMS

HR FR

HRFR (HEAT RESISTANT FLAME RETARDANT) MULTI STRAND
single core unsheathed flexible cables in voltage grade upto and including 1100 V.

With ISI Mark

Product Code	No. of Strands/ Nom. Dia. of Strand (mm)	Length in mtr.	Nom. area of cond. mm²
06 166	14 / 0.3	(90 mtr.)	1.0
06 167	22 / 0.3	(90 mtr.)	1.5
06 168	36 / 0.3	(90 mtr.)	2.5
06 169	56 / 0.3	(90 mtr.)	4.0

- Not hazardous to life
- Environment friendly
- Long-term reliability
- Excellent electrical property

Available in 90 mtr. box packing & project pack for 180/270 mtr. polythene & cloth packing (on request)

TELEPHONE AND SWITCHBOARD

Low attenuation | No cross talk | Flame retardant jacket | True sound

Applications : Recommended for switchboard and internal telephone wiring in high rise buildings, offices, factories, hotels, residential complexes, transmission of analog and digital signals, internal wiring in faxes, modems, computers, alarm enunciators, data recording / acquisition systems and various communication devices.

Specifications : Goldmedal telephone & switch board cables are made as per TEC Specification no. GR/WIR - 06/03, MAR 2002, BSNL (DOT). ITD Specification S/WS 113 C, S/WS 11313, S/WS 114 B Specifications or as per the customer's specific requirements.

Conductor : The conductor is made of 99.97% pure solid electrolytic grade copper confirming to IS 1830:2013 of 0.4, 0.5, 0.6, 0.7 dia.

Insulation : Premium quality grade polyethylene used for insulation with several online testing equipments.

Twisted Pairs : The cores are carefully twisted with suitable lays and laid up together to form cables. Special attention is given to this stage for minimising cross talk.

Rip Cord : A synthetic nylon rip cord is provided in order to safely peel off the jacket without damaging the cores.

Sheath : The laid up pairs are jacketed with special Flame Retardant (FR) compound to resist fire.

ELECTRICAL PARAMETERS

Conductor Resistance	: 92.20 ohm / km max at 20^{0}C
Mutual Capacitance	: 50 nF / km max.
Insulation Resistance in Air	: 10000 M-ohm / km min.
Capacitance Unbalance – pair to pair	: 230 pF / 100m max.
Capacitance Unbalance – pair to ground	: 330 pF / 100m max.
Resistance Unbalance	: 2.5% max.

Conductor Parameters	1 Pairs	2 Pairs	3 Pairs	4 Pairs	5 Pairs	10 Pairs
Conductor (solid annealed bare copper)	0.4mm diameter (nom.) & 0.5mm diameter (nom)					
Insulation Material (0.4 & 0.5 mm dia)	High density polyethylene(HDPE)					
Insulation Thickness (Average) 0.4 mm dia, 0.5mm dia	0.17mm, 0.20mm					
Diameter of insulated Conductor 0.4mm dia, 0.5mm dia	0.74mm, 0.92mm					
Rip cord	Nylon					
Colour Combination	For 0.4mm dia & 0.5mm dia					
1 Pair	-	-	-	-	-	White-Blue
2 Pairs		-	-	-	-	White-Orange
3 Pairs			-	-	-	White-Green
4 Pairs				-	-	White-Brown
5 Pairs					-	White-Grey
6 Pairs						Red-Blue
7 Pairs						Red-Orange
8 Pairs						Red-Green
9 Pairs						Red-Brown
10 Pairs						Red-Grey

TELEPHONE AND SWITCHBOARD CABLES

Telephone Drop & Switchboard cables as per G/WIR 03/03, 06/03 & ITD S/WS 113B (0.50mm)

Product Code	No. of Pairs	Length in mtr.	Nom. dia of cond. mm
06 461	1 Pair	(90 mtr.)	0.50
06 462	2 Pairs	(90 mtr.)	0.50
06 463	3 Pairs	(90 mtr.)	0.50
06 464	4 Pairs	(90 mtr.)	0.50
06 465	5 Pairs	(90 mtr.)	0.50
06 466	6 Pairs	(90 mtr.)	0.50
06 467	7 Pairs	(90 mtr.)	0.50
06 468	8 Pairs	(90 mtr.)	0.50
06 469	10 Pairs	(90 mtr.)	0.50
06 470	12 Pairs	(90 mtr.)	0.50
06 471	15 Pairs	(90 mtr.)	0.50
06 472	20 Pairs	(90 mtr.)	0.50
06 473	25 Pairs	(90 mtr.)	0.50

Available in 90 mtr. box packing (1&2 Pair) rest pouch & polythene pack.

06 490	1 Pair	(450 mtr.)	0.50
06 491	2 Pairs	(450 mtr.)	0.50

Available in 450 mtr. wooden drum.

Telephone Drop & Switchboard cables as per G/WIR 03/03, 06/03 & ITD S/WS 113B (0.40mm)

06 493	1 Pair	(90 mtr.)	0.40
06 494	2 Pairs	(90 mtr.)	0.40

Available in 90 mtr. box packing

06 495	1 Pair	(450 mtr.)	0.40
06 496	2 Pairs	(450 mtr.)	0.40

Available in 450 mtr. wooden drum.

JELLY FLOODED COAXIAL CABLES

Ready when you are! The perfect connection for your cable TV.

Entertainment rules the world, right now. With the right kind of cables, you'll never have to compromise on the quality of entertainment you experience on your TV network. Using 99.97% copper, the Jelly flooded coaxial cables ensure better signal transmission, low electromagnetic interference, and higher bandwidth for hundreds of channels.

JELLY FLOODED COAXIAL CABLES

High quality Co-axial cable for cable TV network. | **Notch free attenuation values over wide band of frequencies** | **The special jacketing offers increased life even in rugged conditions.**

Goldmedal Coaxial Cables are used for transmission of audio & video signals in cable TV networks. The cable offers higher bandwidth per channel and low noise which makes it the medium of choice for delivering high-definition video. These cables are used to connect equipment such as TVs, DVRs or CATV and satelite receiver.

Range : RG-59, RG-6, RG-11

Application : These cables are used for transmission of video and audio signals and are used in DTH/CATV industry. With number of CATV channels increasing by the day, these cable are ideal for multi channel applications.

Conductor : A coaxial cable has a solid copper or copper-clad-steel center conductor surrounded by a non conducive di-electric insulating material.

Insulation : The di-electric is surrounded by foil shield/s and /or copper braid/s which form the outer conductor and also shield against electromagnetic interference [EMI]. The outer conductor / shield is encased in a PVC jacket.

Screen : Aluminum Mylar tape is provided over the insulated conductor to shield the conductor and ensure disturbance-free transmission of signals.

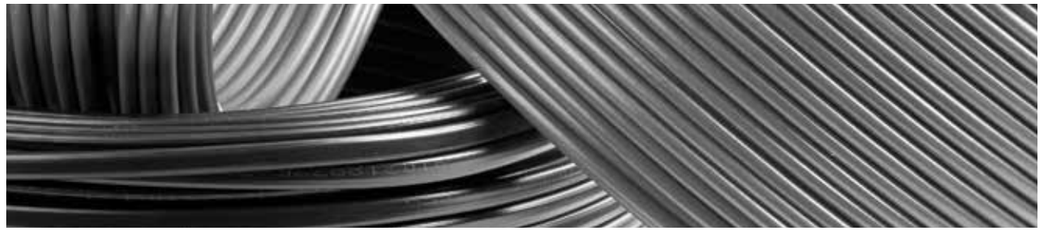
Braiding : The braiding provided is >60% coverage of ATC (Annealed tinned copper) /Aluminium braiding.

Attenuation db/100 mtr. (20°C) @ MHz	RG 59 F	RG6F	RG 11 F
211	12.47	9.50	6.23
250	13.45	10.50	6.72
300	14.60	11.50	7.38
350	15.75	11.50	7.94
400	16.73	13.30	8.53
450	17.72	14.35	9.02

Construction and electrical parameters

C Parameters	RG11F	RG6F
Inner Conductor	ABC	ABC
Nom. Dia. (mm) of Inner Conductor	1.63	1.02
Insulating material	Foam PE	Foam PE
Nom. Dia (mm) of Insulation Outer Conductor	7.00	4.50
First	Bonded AL tape	Bonded AL tape
Second	Tinned Cu/ Al braid	Tinned Cu/ Al braid
Nom. Coverage %	> 60%	> 60%
Outer Sheath	PVC	PVC
Nom. Dia (mm) Outer Sheath	10.00	7.00

E Parameters	Cable Type	
	RG11F	RG6F
Inner Conductor-	0.80	2.10
Nom. Capacitance (pF/mtr.)	53	53
Characteristic Impedance(Ohms)	75	75
Velocity of Propagation (%)	85	85
Minimum Bending Radius (mm)	75	65
Maximum Attenuation at 20°C (dB/100m)at Mhz	Max.	Max.
5	1.25	1.95
50	3.10	5.30
100	4.20	7.00
200	6.00	9.90
300	7.38	11.50
400	8.53	13.30
500	9.51	14.95



Branch & Drop Jelly flooded CO-AXIAL cables

Product Code	Cable Name	Length in mtr.	Cable Type
06 228	RG-59F	(100 mtr.)	Co-Axial
06 229	RG-06	(100 mtr.)	Co-Axial
06 230	RG-06	(100 mtr.)	Co-Axial (CCS)
06 231	RG-08	(100 mtr.)	Co-Axial
06 232	RG-11	(100 mtr.)	Co-Axial

Available in 100 mtr. box pack

06 243	RG-59F	(305 mtr.)	Co-Axial
06 244	RG-06	(305 mtr.)	Co-Axial
06 245	RG-06	(305 mtr.)	Co-Axial (CCS)
06 246	RG-08	(305 mtr.)	Co-Axial
06 247	RG-11	(305 mtr.)	Co-Axial

Available in 305 mtr. wooden drum.

SUBMERSIBLE CORE FLAT CABLES

High quality wires. Performs in the toughest conditions.

The Submersible cables are usually installed in conditions that are considered less than optimum. That's why the three copper conductors inside are insulated with a special PVC compound. The outer sheath is made from a special grade of abrasion resistant PVC compound that is resistant to water, oil, petrol, most acids, alkalis and grease. With Goldmedal Submersible cables, you are assured of optimum performance irrespective of the conditions.

SUBMERSIBLE 3 CORE FLAT CABLE

Application : These flat submersible cables are used to connect the underwater submersible pump set with supply lines for agriculture, irrigation, domestic installation, power supply and other applications. The, submersible cable is a specialized product and is used for submersible pumps in deep wells. The area of installation is physically restrictive and the environment is very hostile. Goldmedal cables are designed and manufactured keeping in mind these factors to achive the highest possible reliablitily.

Specification : IS 694:2010, IS 5831:1984, IS 8130:2013

Conductor : 3 Core Flat PVC Submersible cables are made of electrolytic grade, bright annealed bare copper with more than 100% conductivity conforming to IS 8130:2013

Insulation : The bunched conductors are insulated with specially formulated high grade FR PVC compound which gives very high insulation resistance value. The insulated core Red, Yellow, Blue are laid up in the flat paralled position. The outer sheath is provided with specially formulated PVC compound (type ST-1) which is highly resistant to soil & chemicals.

Selection guide for 3 core flat cables

1. HP vs Current (Amp): the full load current for submersible pump motors, 3 phase, 50 cycles, 415-425V at 20°C.

HP	5.0	7.5	10.0	12.5	15.0	17.5	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0
AMP	7.5	11.0	14.9	18.9	22.5	25.2	28.4	35.6	42.3	50.4	58.1	62.1	67.5	73.8	81.0	87.3	93.6	100.80	108.0

2. Operating Factors: Multiply the current carrying capacity of the cable by factors given below for various ambient temperatures.

Ambient Temperature°C	30	35	40	45	50
Operating Factor	1.09	1.04	1.00	0.95	0.77

Conductor		Insulation	Sheath	Overall Dimensions		Conductor Resistance Ohms/km Max at 20^0 C	Current carrying capacity
No. of Cores/ Area mm^2	No. of Strands/Nom. Dia. of Strand (mm)	Thickness (Nom)mm	Thickness (Nom)mm	Width 'W' (approx mm)	Height 'H' (approx mm)		
3 x 1.5	22/0.3	0.6	0.9	10.3	4.9	12.10	14
3 x 2.5	36/0.3	0.7	1.0	12.3	5.8	7.41	18
3 x 4.0	56/0.3	0.8	1.0	14.8	6.6	4.95	26

Three core flat flexible industrial cable for Submersible pump motors 1100 voltage grade — With ISI Mark

Product Code	No. of Strands/Nom. Dia. of Strand (mm)	Length in mtr.	Nom. area of cond. mm^2
06 209	22 / 0.3	(100 mtr.)	1.5
06 210	36 / 0.3	(100 mtr.)	2.5
06 211	56 / 0.3	(100 mtr.)	4.0
06 212	84 / 0.3	(100 mtr.)	6.0
06 213	140 / 0.3	(100 mtr.)	10.0
06 214	101 / 0.45	(100 mtr.)	16.0
06 215	157 / 0.45	(100 mtr.)	25.0
06 216	220 / 0.45	(100 mtr.)	35.0

Available 100 mtr. in pouch pack

06 219	22 / 0.3	(500 mtr.)	1.5
06 220	36 / 0.3	(500 mtr.)	2.5
06 221	56 / 0.3	(300 mtr.)	4.0
06 222	84 / 0.3	(300 mtr.)	6.0
06 223	140 / 0.3	(300 mtr.)	10.0

Available 300 & 500 mtr. in pouch pack.

SINGLE/TWIN CORE & SOLID ALUMINIUM CABLES

SINGLE CORE PVC insulated Aluminum conductor sheathed weather proof Service wire. (Black)

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in Yds.	Nom. of area cond. sq. mm^2	No. of strands/ S. W. G.
06 355	7 / 0.036	(100 Yds.)	4.5	7 / 20
06 356	7 / 0.044	(100 Yds.)	6.0	7 / 18
06 357	7 / 0.064	(100 Yds.)	16.0	7 / 16
06 358	7 / 0.083	(100 Yds.)	25.0	7 / 14
06 365	7 / 0.100	(100 Yds.)	35.0	7 / 12
06 359	19 / 0.064	(100 Yds.)	50.0	19 / 16
06 360	19 / 0.083	(100 Yds.)	70.0	19 / 14

Available in pouch packing

06 377	7 / 0.036	(500 Yds.)	4.5	7 / 20
06 378	7 / 0.044	(500 Yds.)	6.0	7 / 18
06 379	7 / 0.064	(500 Yds.)	16.0	7 / 16
06 380	7 / 0.083	(300 Yds.)	25.0	7 / 14

Available in pouch packing

TWIN FLAT PVC insulated Aluminium conductor sheathed weather proof Service wire. (Black) & (White)

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in Yds.	Nom. of area cond. sq. mm^2	No. of strands/ S. W. G.
06 392	7 / 0.036	(100 Yds.)	4.5	7 / 20
06 393	7 / 0.044	(100 Yds.)	6.0	7 / 18
06 394	7 / 0.064	(100 Yds.)	16.0	7 / 16

Available in pouch packing

06 405	7 / 0.036	(500 Yds.)	4.5	7 / 20
06 406	7 / 0.044	(500 Yds.)	6.0	7 / 18
06 407	7 / 0.064	(500 Yds.)	16.0	7 / 16

Available in pouch packing

PVC insulated sheathed SINGLE CORE SOLID Aluminium cables upto & including 1100 Volts — With ISI Mark

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in Yds.	Nom. of area cond. sq. mm^2	Cable Type
06 417	1 / 0.070	(100 Yds.)	2.5	Single Core
06 418	1 / 0.084	(100 Yds.)	4.0	Single Core
06 419	1 / 0.110	(100 Yds.)	6.0	Single Core
06 420	1 / 0.140	(100 Yds.)	10.0	Single Core

Available in pouch packing

PVC insulated sheathed TWIN CORE SOLID Aluminium cables upto & including 1100 Volts — With ISI Mark

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in Yds.	Nom. of area cond. sq. mm^2	Cable Type
06 431	1 / 0.070	(100 Yds.)	2.5	Twin Core
06 432	1 / 0.084	(100 Yds.)	4.0	Twin Core
06 433	1 / 0.110	(100 Yds.)	6.0	Twin Core
06 434	1 / 0.140	(100 Yds.)	10.0	Twin Core

Available in pouch packing

06 437	1 / 0.070	(500 Yds.)	2.5	Twin Core
06 438	1 / 0.084	(500 Yds.)	4.0	Twin Core
06 439	1 / 0.110	(500 Yds.)	6.0	Twin Core
06 440	1 / 0.140	(500 Yds.)	10.0	Twin Core

Available in pouch packing

CTS & VIR ALUMINUM / COPPER CABLES

PVC insulated single core unsheathed stranded VIR aluminum wire voltage grade 1100 volts as per IS:694 twisted

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in mtr.	Nom. of area cond. mm²	No. of strands/ S. W. G.
06 551	7 / 0.034	(90 mtr.)	4.0	7 / 20
06 552	7 / 0.041	(90 mtr.)	6.0	7 / 18
06 553	7 / 0.053	(90 mtr.)	10.0	7 / 16
06 554	7 / 0.067	(90 mtr.)	16.0	7 / 14
06 555	19 / 0.051	(90 mtr.)	25.0	7 / 12
06 556	19 / 0.060	(90 mtr.)	35.0	19 / 16

Available in 90 mtr. cloth & polythene wrapping packing.

06 561	7 / 0.034	(450 mtr.)	4.0	7 / 20
06 562	7 / 0.041	(450 mtr.)	6.0	7 / 18

Available in 450 mtr. plastic attractive drum

PVC insulated single core sheathed stranded CTS aluminum wire voltage grade 1100 volts as per IS:694 twisted

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in mtr.	Nom. of area cond. mm²	No. of strands/ S. W. G.
06 571	7 / 0.034	(90 mtr.)	4.0	7 / 20
06 572	7 / 0.041	(90 mtr.)	6.0	7 / 18
06 573	7 / 0.053	(90 mtr.)	10.0	7 / 16
06 574	7 / 0.067	(90 mtr.)	16.0	7 / 20

Available in 90 mtr. cloth & polythene wrapping packing.

06 579	7 / 0.034	(450 mtr.)	4.0	7 / 16
06 580	7 / 0.041	(450 mtr.)	6.0	7 / 20

Available in 450 mtr. plastic attractive drum

PVC insulated single core sheathed stranded CTS Copper wire (Industrial Cable) voltage grade 1100 volts as per IS:694 twisted

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in mtr.	Nom. of area cond. mm²	Cable Type
06 590	3 / 0.041	(90 mtr.)	2.5	Single Core
06 591	7 / 0.034	(90 mtr.)	4.0	Single Core

Available in 90 mtr. cloth & polythene wrapping packing.

06 595	3 / 0.041	(450 mtr.)	2.5	Single Core
06 596	7 / 0.034	(450 mtr.)	4.0	Single Core

Available in 450 mtr. plastic attractive Drum

PVC insulated single core sheathed stranded CTS Copper wire voltage grade 1100 volts

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in mtr.	No. of strands/ S. W. G.	Cable Type
06 599	3 / 0.036	(90 mtr.)	3 / 20	Single Core

Available in 90 mtr. cloth & polythene wrapping packing.

06 600	3 / 0.036	(450 mtr.)	3 / 20	Single Core

Available in 450 mtr. plastic attractive drum

PVC insulated single core unsheathed solid / stranded VIR Copper wire (Industrial Cable) voltage grade 1100 volts as per IS:694 twisted

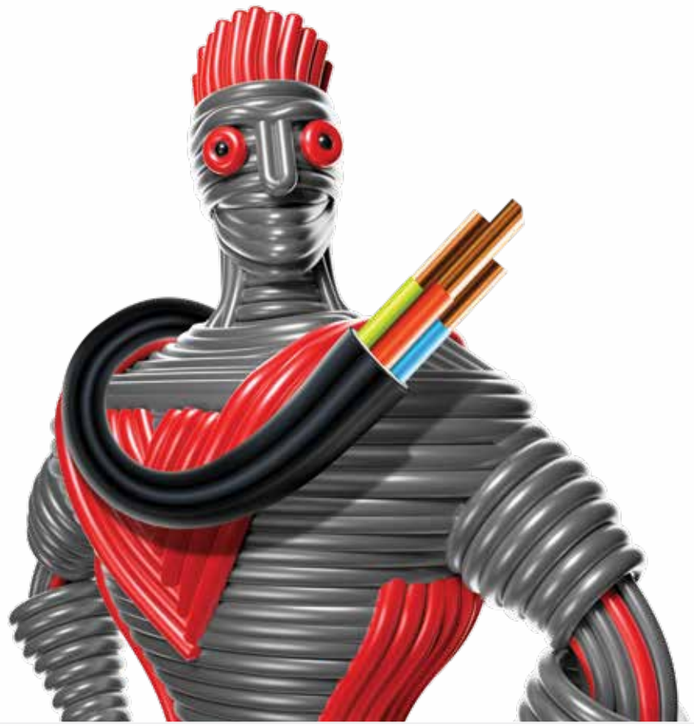
Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in mtr.	Nom. of area cond. mm²	Cable Type
06 610	1 / 0.044	(90 mtr.)	1.0	Single Core
06 611	3 / 0.032	(90 mtr.)	1.5	Single Core
06 612	3 / 0.041	(90 mtr.)	2.5(ECO)	Single Core
06 613	3 / 0.041	(90 mtr.)	2.5(HVY)	Single Core
06 614	7 / 0.034	(90 mtr.)	4.0(ECO)	Single Core
06 615	7 / 0.034	(90 mtr.)	4.0(HVY)	Single Core
06 616	7 / 0.041	(90 mtr.)	6.0	Single Core
06 617	7 / 0.053	(90 mtr.)	10.0	Single Core
06 618	7 / 0.067	(90 mtr.)	16.0	Single Core
06 619	19 / 0.051	(90 mtr.)	25.0	Single Core
06 620	19 / 0.060	(90 mtr.)	35.0	Single Core
06 621	19 / 0.070	(90 mtr.)	50.0	Single Core
06 622	37 / 0.061	(90 mtr.)	70.0	Single Core
06 623	37 / 0.071	(90 mtr.)	95.0	Single Core
06 624	37 / 0.080	(90 mtr.)	120.0	Single Core

Available in 90 mtr. cloth & polythene wrapping packing.

06 634	7 / 0.034	(450 mtr.)	4.0(ECO)	Single Core
06 635	7 / 0.034	(450 mtr.)	4.0(HVY)	Single Core

Available in 450 mtr. plastic attractive drum

MULTICORE ROUND CABLES



Multicore cables complement each other.

While single core cables are widely used for domestic purposes, multicore cables are used in areas where space might be a constraint (medical equipment, aircraft) or in entertainment venues, theaters, heavy industries, etc. The single as well as multi core cables from Goldmedal are durable and heat resistant. They do not melt or burn easily even in extreme conditions.

MULTICORE ROUND CABLES

FEATURES

Manufactured from bright annealed 99.97% pure bare copper conductors these cables offer low conductor resistance. These wires are insulated with in house manufactured specially formulated PVC compound. The tough robust outer PVC jacket protects it from oils, greases, various chemicals and abrasions giving the wire a long life and ensuring electrical safety.

Applications:

Multicore Cables are very versatile and can be used in control panels for heavy industries, heavy machineries, air-condition, motors, etc.

Constructions

Conductor : Electrolytic Grade Copper Conductor as per IS 8130:2013 Flexibility Class 2 and 5

Insulation : The Conductors are insulated with FR Grade PVC Compound having high insulation resistance, oxygen index, temperature index and dielectric strength, which prevents leakage of electric current. The flame retardant Properties minimize the spread of fire which ensure complete safety from shocks, short circuits & fire.
PVC Type A of IS 5831:1984 for maximum conductor temperature 70°C
PVC Type C of IS 5831:1984 for maximum conductor temperature 85°C

Thickness of Insulation : Nominal thickness as per relevant specification is tabulated.

Colour of Insulation

Two Core Cable	Three Core Cable	Four Core Cable	Five Core Cable	Six Core and above
Red & Black	Red, Black & Yellow-Green	Red, Yellow, Blue & Yellow-Green	Red, Yellow, Blue, Black & Grey	Two adjacent cores in each layer Blue and Yellow remaining cores Grey with numbers

Laying–up : The cores are laid up with a suitable right hand lay.

Outer Sheath : PVC Type ST-1 of IS: 5831-1984 for maximum conductor temperature 70°C.
PVC Type ST-2 of IS: 5831-1984 for maximum conductor temperature 85°C.

Colour of Outer Sheath : Colour of outer sheath shall be black.
Colour other than black may be used as agreed to between the purchaser and the supplier.

MULTICORE ROUND FR PVC insulated & sheathed black cables in voltage grade up to and including 1100V with bright annealed bare copper based on IS 8130:2013 (With ISI Mark)

Product Code	No. of strands/ Nom. Dia. of Strand (mm)	Length in mtr.	Nom. area of cond. mm²	Cable Type
06 502	16 / 0.20	(100 mtr.)	0.50	2 Core
06 503	16 / 0.20	(100 mtr.)	0.50	3 Core
06 504	16 / 0.20	(100 mtr.)	0.50	4 Core
06 505	24 / 0.20	(100 mtr.)	0.75	2 Core
06 506	24 / 0.20	(100 mtr.)	0.75	3 Core
06 507	24 / 0.20	(100 mtr.)	0.75	4 Core
06 508	32 / 0.20	(100 mtr.)	1.00	2 Core
06 509	32 / 0.20	(100 mtr.)	1.00	3 Core
06 510	32 / 0.20	(100 mtr.)	1.00	4 Core
06 511	30 / 0.25	(100 mtr.)	1.50	2 Core
06 512	30 / 0.25	(100 mtr.)	1.50	3 Core
06 513	30 / 0.25	(100 mtr.)	1.50	4 Core
06 514	50 / 0.25	(100 mtr.)	2.50	2 Core
06 515	50 / 0.25	(100 mtr.)	2.50	3 Core
06 516	50 / 0.25	(100 mtr.)	2.50	4 Core
06 517	56 / 0.30	(100 mtr.)	4.00	2 Core
06 518	56 / 0.30	(100 mtr.)	4.00	3 Core
06 519	56 / 0.30	(100 mtr.)	4.00	4 Core
06 520	84 / 0.30	(100 mtr.)	6.00	2 Core
06 521	84 / 0.30	(100 mtr.)	6.00	3 Core
06 522	84 / 0.30	(100 mtr.)	6.00	4 Core
06 523	140 / 0.30	(100 mtr.)	10.00	3 Core
06 524	140 / 0.30	(100 mtr.)	10.00	4 Core
06 525	101 / 0.45	(100 mtr.)	16.00	3 Core
06 526	101 / 0.45	(100 mtr.)	16.00	4 Core
06 527	168 / 0.45	(100 mtr.)	25.00	3 Core
06 528	168 / 0.45	(100 mtr.)	25.00	4 Core
06 529	220 / 0.45	(100 mtr.)	35.00	3 Core
06 530	220 / 0.45	(100 mtr.)	35.00	4 Core

Available in 100 & 500 mtr. pouch & polythene packing.

Multicore Round Flexible PVC insulated sheathed with bright annealed bare copper based

Product Code	No. of strands/ Nom. Dia. of Strand (inch)	Length in mtr.	Nom. area of cond. mm²	Cable Type
06 306	23 / 0.0060	(90 mtr.)	-	2 Core
06 307	23 / 0.0060	(90 mtr.)	-	3 Core
06 308	40 / 0.0060	(90 mtr.)	-	2 Core
06 309	40 / 0.0060	(90 mtr.)	-	3 Core
06 310	70 / 0.0076	(90 mtr.)	-	3 Core

Available in 90 mtr. pouch & polythene packing.

Perfection inside.

The quality of every wire or cable depends on its copper core. For Goldmedal wires and cables, this core is made from bright annealed 99.97% pure electrolytic grade copper that enables 100% conductivity.

CAT 5E/6E

GOLDMEDAL LAN Cables are high performance cables best suited to your specific applications. Transmission performance of these cables are verified for its category 5E requirements of TIA/EIA 568 — B-2.1

Applications : GOLDMEDAL Lan cables are suitable for use in modern computer network systems, voice, video and data transfer and for all Lan topologies. The capacity of goldmedal CAT 5E cables is 100+ mbps data rates.

Specifications : The cables generally confirm to specifications ANSI/EIA/TIA568/AISO/IEC 11801

Conductor : Annealed Bare Electrolytic Grade Copper/CCA (copper clad aluminum). Cables made in both solid and stranded conductors. 24 AWG size for CAT-5E and 23 AWG size for CAT-6E is used.

Insulation : High speed high density polyethylene (HDPE)

Insulation Colour : Pair-1 White-Blue, Pair-2 White-Orange, Pair-3 White-Green, Pair-4 White-Brown.

Pair : Two insulated conductors twisted together with suitable lay to form a pair.

Outer Jacket : Flame retardant (high oxygen and temperature index) PVC jacket with colour blue. A nylon rip cord provided below jacket for easy striping of jacket without damaging cable core.

Frequency Mhz	Attenuation db/100 meter (max)	Next worst pair db (min)	Structural return loss db (min)
1.00	2.0	52	23
4.00	4.1	53	23
8.00	5.8	48	23
16.00	8.2	44	23
25.00	10.4	41	22
31.25	11.7	39	21
62.50	17.0	35	18
100.00	22.0	32	16

Electrical Parameters	
DC Resistance at 20°C	92.5 Ohms/Km (Max)
Capacitance Unbalance Pair to Ground (Max)	330pF/100 meters
Mutual Capacitance (Max)	5.60Nf / 100 meters
Characteristic Impedance	100 ± 15 Ohms
Nominal velocity of propagation"	66%"

COMPUTER INTERNET AND NETWORKING CABLE

Computer and LAN Networking Cable				
Product Code	Cable Type	No. of Pair	Length in mtr.	Nom. of area cond. mm
06 335	CAT 5e UTP	4 pair	(305 mtr.)	0.50
06 336	CAT 6e UTP	4 pair	(305 mtr.)	0.50

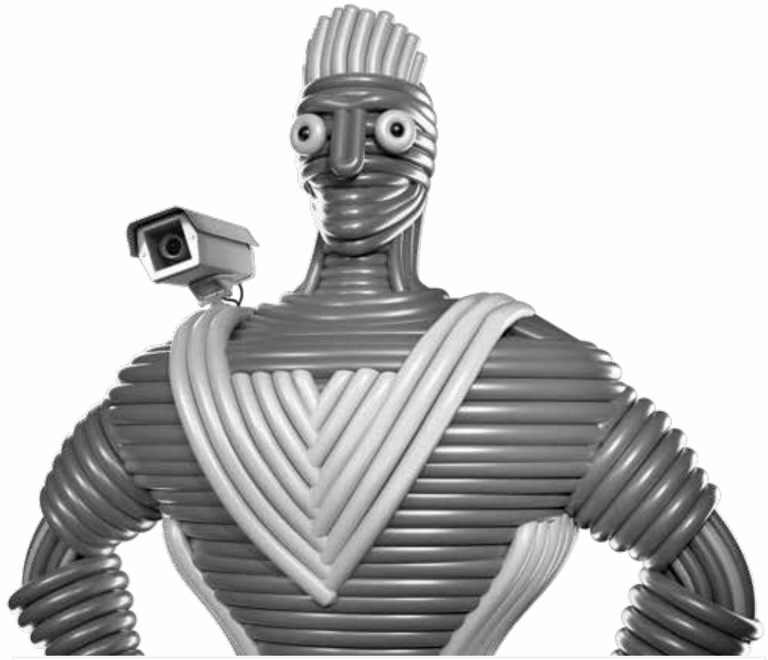
Available in 305 mtr. box packing with PP rolling drum

Computer and LAN Networking Cable (CCS)				
Product Code	Cable Type	No. of Pair	Length in mtr.	Nom. of area cond. mm
06 337	CAT 5e UTP	4 pair (CCS)	(305 mtr.)	0.50
06 338	CAT 6e UTP	4 pair (CCS)	(305 mtr.)	0.50

Available in 305 mtr. wooden drum

Standard Colour : Blue

CCTV CABLES



Always awake. Always alert.

CCTVs play a crucial role in today's life. Their presence not only deters crime, but in the instances that a crime does get committeed, their recording helps authorities identify the culprits involved. Whether it is residential societies, commercial properties, public places, malls, government or private institutions, CCTV cameras have now become a permanent part of the modern landscape. The performance of these cameras depend a lot on the quality of wires used. Goldmedal CCTV wires, with their superior quality, ensure that you get fail-safe, high-quality coverage at all times.

CCTV CABLES

The Closed Circuit TV / Video Surveillance business is the fastest growing part of our portfolio of products. Through the convergence of Security, I.P. camera systems and card access is now under direction of the corporate IT Departments. There is a tremendous demand currently in the video recording world. Digital Video Recording has taken place of old analog tape systems. End users now can designate space on their network and store footage digitally. This technology upgrade is comparable to how compact disks have led to the demise of cassette players. Remote access is now a standard offering, which requires the assignment of an IP address to your network.

Our CCTV Cables are manufactured in 3+1 and 4+1 cores i.e. 3 or 4 core for supply and 1 core for video. Our CCTV Cables have a composite structure of video and audio wires that connects the cameras and audio systems from one point to the security hub. The cables are available in various specification to suit the specific need of clients.

Eliminates the time and effort designated for changing tapes | Allows quick playback with enhanced viewing clarity Enables easy remote access from multiple designated PC's | Offers simplified storage on your network.

Sr. No.	Item Name	Overall dia. In mm	A. T. C. Cond. Size in mm	Cross sect. area in mm^2	Conductor Resistance Ohms/km Max at 20^0 C
1	14/40(2+1)	5.4	0.122	0.1636	105.40
2	14/40(3+1)	5.7	0.122	0.1636	105.40
3	14/40(4+1)	5.9	0.122	0.1636	105.40
4	14/40(6+1)	6.8	0.122	0.1636	105.40
5	14/38(3+1)	5.7	0.152	0.2539	67.90

Speaker cables are used to link speakers with receivers or power amplifiers. They are also used for the internal wiring of the speakers. Our CAT 6 cables are manufactured using high conductivity copper that is 99.97% pure (this makes audio cable performance comparable to that of oxygen-free copper cable).

Cable selection guide

S. W. G.	Cross section mm^2	4 ohm speaker			8 ohm speaker			70V speaker		
		Power (%) loss (db/ft.)			Power (%) loss (db/ft.)			Power (%) loss (db/ft.)		
		11%(0.5)	21%(1)	50%(3)	11%(0.5)	21%(1)	50%(3)	11%(0.5)	21%(1)	50%(3)
12	3.30	140	305	1150	285	610	2285	6920	14890	56000
14	2.09	90	195	740	185	395	1480	4490	9650	36300
16	1.33	60	125	470	115	250	935	2840	6100	222950
18	0.82	40	90	340	85	190	685	2070	4450	16720
20	0.51	25	50	195	50	105	390	1170	2520	9500

Double Flexible Wires

Sr. No.	No. of Strands/ S. W. G.	A.T. C. Cond.Size in mm	Cros sect. Area in mm^2	Overall dia. in mm	Conductor Resistance Ohms/km Max at 20^0 C
1	23/36	0.193	0.6725	2.50	25.64
2	40/40	0.122	0.4673	3.50	36.89
3	40/38	0.152	0.7255	3.00	23.76

CCTV, TWISTED FLEXIBLE & SPEAKER CABLES

CCTV Cables

Product Code	No. of strands/ Nom. Dia. of strand (inch)	Length in mtr.	Cable Type
06 250	14 / 0.0052(3+1)	(90 mtr.)	-
06 251	14 / 0.0052(4+1)	(90 mtr.)	-

Available in 90 mtr. box packaging & 305 mtr. wooden drum

Twin Flat / Twin Parallel wire

Product Code	No. of strands/ Nom. Dia. of strand (inch)	Length in mtr.	Cable Type
06 258	23 / 0.0060	(90 mtr.)	Twin Flat
06 259	23 / 0.0060	(90 mtr.)	Twin Parallel

Available in 90 mtr. pouch packing

PVC insulated two core twisted Flexible copper wire

Product Code	No. of strands/ Nom. Dia. of strand (inch)	Length in mtr.	Cable Type
06 270	10 / 0.0076	(90 mtr.)	Serial wire
06 271	10 / 0.0076	(90 mtr.)	Tin coated
06 272	14 / 0.0052	(90 mtr.)	Heavy
06 274	23 / 0.0052	(90 mtr.)	Heavy
06 276	35 / 0.0048	(90 mtr.)	Heavy
06 277	40 / 0.0052	(90 mtr.)	Heavy

Available in 90 mtr. pouch & polythene packing

Speaker wire twin parallel TCBC

Product Code	No. of strands/ Nom. Dia. of strand (inch)	Length in mtr.	Cable Type
06 293	14 / 0.0060	(90 mtr.)	TCBC
06 294	23 / 0.0060	(90 mtr.)	TCBC
06 295	40 / 0.0060	(90 mtr.)	TCBC
06 298	23 / 0.0060	(90 mtr.)	CCA
06 299	40 / 0.0060	(90 mtr.)	CCA

Available in 90 mtr. pouch packing

At Goldmedal we take pride in manufacturing the very best in Wires and Cables

The manufacture of the very best quality wires and cables can only be done when you have a world-class set up and processes. Goldmedal has a state-of-the-art manufacturing unit at Bhiwadi, near Delhi, that is responsible for the high quality of wires and cables that we manufacture. Machines developed by NIEHOFF, the world leader in lines and machinery for the wires & cables industry, create products of the quality that we demand. Starting from Rod Break Down (RBD) to Wire Drawing to Extrusion, every process is fine-tuned to perfection and managed by experienced personnel. Testing is a crucial part of the process at Goldmedal. We ensure that every product is tested exhaustively to deliver defect-free wires and cables, every time. Nothing is left to chance.

At Goldmedal, we take pride in manufacturing some of the very best wires and cables in the country. We continuously evaluate our processes and facilities to make sure that you never have to compromise on the quality of wires and cables you use.

Notes:

Notes:

Company Standards

Our vision for achieving higher standards of quality has earned us the prestigious ISO 9001:2015 certification from various processes, plus the ISO 14001, the global standard for Environmental Management Systems. We've also been awarded the OHSAS 18001 (Occupational Health and Safety Management Systems) for processes that reduce the risk of material loss and personnel injuries through prevention and control of workplace hazards, and the CE (European Standards Conformity) among many others. These certifications not only guarantee the quality of our products, they also inspire us to set higher standards of quality through innovation and advanced R&D activities while assuring our customers of optimum satisfaction, safety and delight when using our products.

◆ Voluntary ◆ Flexible and non prescriptive ◆ Can use existing environmental programs and systems ◆ Pushes continual improvement ◆ Encourages cost saving by integrating environmental requirements into the overall company systems (design, manufacturing, etc.) and ◆ Can provide a substantial market advantage ◆ Management review.

The OHSAS 18001 (Occupational Health and Safety Assessment Series) is a certification specification intended to help organizations formulate occupational health and safety policies and objectives in accordance with legislative requirements and identified OH&S (Occupational Health and Safety) hazards and associated risk assessments. OHSAS 18001 specifies the requirements for an OH&S Management Systems. These requirements shall be implemented by the organization and verified by a certification body in order to qualify for certification.

The benefits of implementing a systematic and effective OH&S Management Systems include the following:

- Reducing the number of personnel injuries through prevention and control of workplace hazards.
- Reducing the risk of major accidents.
- Ensuring a well-qualified and enthusiastic workforce by fulfillment of the increasing expectations of your employees.
- Reducing the material loss caused by accidents and in production interruptions.
- Serving the possibility for an integrated management system including quality, environment, health and safety.
- Ensuring that appropriate legislation is addressed and acted upon.

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