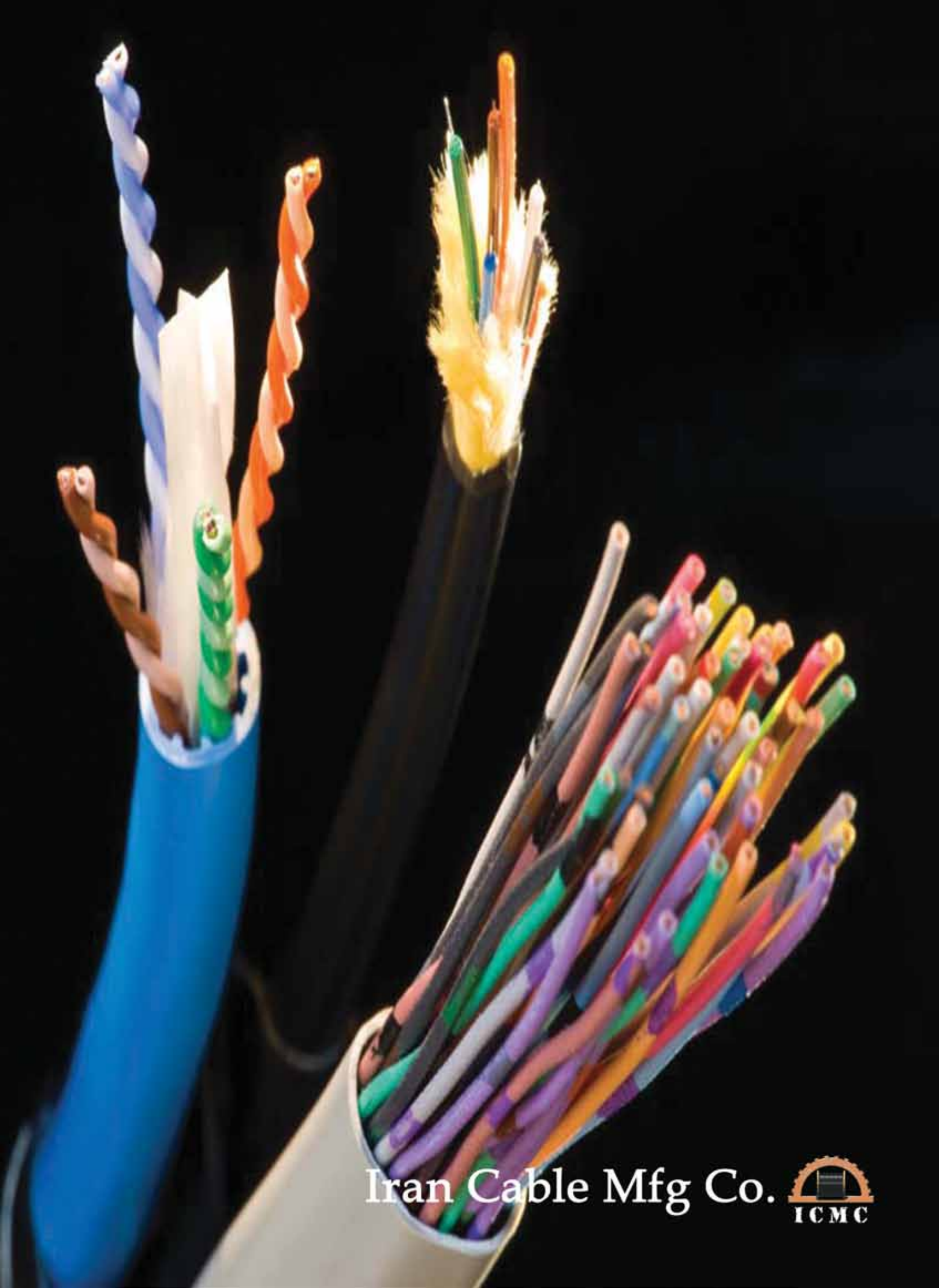


TELECOM CABLES

TELECOM CABLES



Iran Cable Mfg Co. 



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Application

- > Y wires are suitable for telephone wiring and signal installation in premises. YV wire are suitable in telephone exchange for cross connection of frame and equipment

Construction

- > **Design:**
VDE 0812 (Y wires), VDE 0815, TCI Spec (YV wires)
- > **Conductor:**
plain copper (for Y wires) and tin coated copper perfectly annealed(for YV wires)
- > **Insulation:**
special PVC compound, with high tensile and elongation for better mechanical properties

Electrical parameters

- > **Peak working voltage:**
Y wires 400V, YV wires 500V for 0.5/0.9 and 1500V for 1.8/2.8 and 900V for other size
- > **Test voltage:**
Y wires 4KV
YV wires: (1.2 KV for 0.5/0.9)
(3KV for 1.8/2.8)
(2.5 KV other sizes)
- > **Max conductor resistance:**
Y wires: 65 ohm/km for 0.6mm
36 ohm/km for 0.8mm
- > **YV wires:**
90 ohm/km for 0.5mm
64 ohm/km for 0.6mm
36 ohm/km for 0.8mm
22.9 ohm/km for 1mm
11.6 ohm/km for 1.4mm
- > **Min insulation resistance:**
Y wires -200M.ohm/Km at 20°C
YV wires -500M.ohm/Km at 20°C

Thermal parameters

- > **Temperature range:**
-30 to +70°C



Jumper Wires

(YV)



Cable Size	Diameter over insulation	Jacket Thickness	Overall Diameter	APPr. weight
mm ²	mm	mm	mm	Kg/Km
1*0.6/1.4	0.4	1.4	1.4	4.2
2*0.6/1.4	0.4	1.4	2.8	8.5
3*0.6/1.4	0.4	1.4	3	12.8
4*0.6/1.4	0.4	1.4	3.4	17
5*0.6/1.4	0.4	1.4	3.8	21.4
1*0.8/1.6	0.4	1.6	1.6	6.5
2*0.8/1.6	0.4	1.6	3.2	13.3
3*0.8/1.6	0.4	1.6	3.4	19.9
4*0.8/1.6	0.4	1.6	3.9	26.5
5*0.8/1.6	0.4	1.6	4.3	33.2
1*0.5/0.9	0.2	0.9	0.9	2.5
2*0.5/0.9	0.2	0.9	1.8	5
3*0.5/0.9	0.2	0.9	2	7.5
4*0.5/0.9	0.2	0.9	2.2	10
1*0.5/1.1	0.3	1.1	1.1	3
2*0.5/1.1	0.3	1.1	2.2	6
1*0.6/1.1	0.25	1.1	1.1	3.7
2*0.6/1.1	0.25	1.1	2.2	7.5
3*0.6/1.1	0.25	1.1	2.4	11
4*0.6/1.1	0.25	1.1	2.7	15
5*0.6/1.1	0.25	1.1	3	19
1*0.6/1.4	0.4	1.4	1.4	4.5
2*0.6/1.4	0.4	1.4	2.8	9
3*0.6/1.4	0.4	1.4	3	13.5
4*0.6/1.4	0.4	1.4	3.4	18
5*0.6/1.4	0.4	1.4	3.8	23
1*0.8/1.4	0.3	1.4	1.4	6
2*0.8/1.4	0.3	1.4	2.8	12
1*1/1.8	0.4	1.8	1.8	10
2*1/1.8	0.4	1.8	3.6	20
1*1.4/2.2	0.4	2.2	2.2	17.5
1*1.8/2.8	0.5	2.8	2.8	28

Application

- > These types of cables are suitable for transmitting analog or digital signals and for fixed installation in communication technology, the following connection can be installed telephone, telfax, telex as well as standard modems of postal services, alarm system for burglary and fire, communication and paging system, access control time and data control system. Laying under ground is not permissible

Construction

- > **Design:** VDE 0815 JY (ST) Y or TCI Spec
- > **Conductor:** solid plain copper perfectly annealed
- > **Insulation:** PVC compound type Y11 acc. to BS 6746
- > **Core identification:** pairs of insulated conductors are color coded
- > **Core wrap:** polyester film on cable core, helically or longitudinally as a dielectric material between core and screen and heat barrier in jacketing process
- > **Drain wire:** single solid tinned copper conductor
- > **Screen:** aluminum foil wrapped helically or longitudinally in contact with drain wire
- > **Jacket:** PVC compound, type YMI acc. to BS 6746
- > **Jacket color:** grey

Electrical parameters

- > **Peak working voltage:** 300V (not for power currents)
- > **Test Voltage:** 500V/AC
- > **Max. conductor resistance:**
 - 87.6 ohm/km at 20°C for 0.5 mm conductor size
 - 62 ohm/km at 20°C for 0.6mm conductor size
- > **Max. mutual capacitance:** 110 NF/km at 20°C
- > **Min insulation resistance:** >500 M.ohm/km at 20°C

Thermal parameters

- > **Temperature range:** -30 to +70°C

Mechanical parameters

- > **Min. bending radius:** 10xcable Φ



Voice Frequency Indoor Telephone Cable JY(ST)Y



Cable Size mm ²	Diameter mm	Weight Kg/Km	Reel Length (m)
100*2*0.4mm	19	442	750-755
200*2*0.4mm	24	792	500-505
100*2*0.5mm	25	695	750-755
200*2*0.5mm	33	1270	500-505
100*2*0.6mm	31	996	750-755
200*2*0.6mm	42	1847	500-505

Aerial Telephone Cable Without Suspension Strand

A2Y(ST)2Y

Application

- > These types of cables are suitable for connecting in local networks for telephone purposes and signal transmission, as primary and secondary cable in local telephone network, and as railway communication cable and in industrial plant

Construction

- > **Design:**
TCI Spec.CC-105, CC-106 A2Y(ST)2Y
- > **Conductor:**
solid plain copper perfectly annealed
- > **Insulation:**
HDPE compound, type III, class A, category 4 or 5, grade E8 acc. to ASTM-D1248
- > **Core identification:**
pair of insulated conductors are color coded
- > **Core wrap:**
polyester film on cable core helically or longitudinally as a dielectric material between core and screen and heat barrier in jacketing process
- > **Drain wire:**
single solid tinned copper conductor
- > **Screen:**
aluminum foil wrapped helically or longitudinally in contact with drain wire
- > **Jacket:**
HDPE compound, type III, class C, category 4 or 5, grade J-4, acc. to ASTM-D1248

Electrical parameters

- > **Peak working voltage:**
225 V (Not for purposes of power/high voltage current)
- > **Test Voltage:**
(core to core): 2.4 KV/DC (for 0.4mm)
3.5 KV/DC (for 0.6mm)
(core to shield): 5 KV/DC
- > **Max.ave.conductor resistance:**
for 0.4 mm conductor size 139 ohm/km at 20°C
for 0.6 mm conductor size 62 ohm/km at 20°C
- > **Mutual ave.capacitance:**
52 ± 2NF/km



Aerial Telephone Cable Without Suspension Strand

A2Y(ST)2Y



Cable Size mm ²	Diameter mm	Weight Kg/Km	Reel Length (m)
2*2*0.4mm	5	26	1010-1020
4*2*0.4mm	5.5	39	1010-1020
6*2*0.4mm	6	51	1010-1020
8*2*0.4mm	6.8	65	1010-1020
10*2*0.4mm	8.3	81	1010-1020
20*2*0.4mm	10.7	143	1010-1020
30*2*0.4mm	12.5	203	1010-1020
40*2*0.4mm	14.1	261	1010-1020
50*2*0.4mm	15.6	319	1010-1020
2*2*0.6mm	6	43	1010-1020
4*2*0.6mm	7.6	73	1010-1020
6*2*0.6mm	7.9	97	1010-1020
8*2*0.6mm	8.5	123	1010-1020
10*2*0.6mm	9.7	150	1010-1020
20*2*0.6mm	12.4	279	1010-1020
30*2*0.6mm	14.7	404	1010-1020
40*2*0.6mm	16.6	528	1010-1020
50*2*0.6mm	18.2	651	1010-1020

Application

- > This type of cable is used for local-main network and signal transmission

Construction

- > **Design:**
TCI Spec
- > **Conductor:**
solid plain copper perfectly annealed
- > **Insulation:**
high density polyethylene compound (HDPE) acc. to ASTM 1248, type III, class A category 4 or 5 grade E8
- > **Core identification:**
pair of insulated conductors are color coded
- > **Core wrap:**
The core shall be completely covered with one layer of polyester tape .The wrap may be applied helically or longitudinally
- > **Inner jacket:**
black polyethylene acc.to ASTM D 1248 type I, class C, category 4 or 5 grade j-3 containing a suitable antioxidant system
- > **Screen:**
a single flat aluminum tape with a Polyethylene copolymer coating on both sides shall be applied longitudinally and with over lap over the inner jacket
- > **Outer jacket:**
a black Polyethylene jacket acc.to ASTM D -1248, type I, Class C, category 4 or 5 grade j3



Electrical parameters

- > **Test voltage:**
core to core 2.8KV/DC (for 0.4 mm)
core to core 3.5KV/DC (for 0.6 mm)
core to screen : 15 KV/DC
- > **Max.ave.conductor resistance:**
for 0.4 mm conductor size 139 ohm/km at 20°C
for 0.6 mm conductor size 62 ohm/km at 20°C
- > **Resistance unbalance:**
Ave for (0.4mm):2 % , Ave for (0.6 mm):1.5%
- > **Mutual ave.capacitance:**
52 (nf/km)
- > **Capacitance unbalance:**
(pair to pair):45 (pair to ground):574
- > **Cross talk (db/km) at 150 (KHZ):**
0.4mm: 56 (db/km) , 0.6mm:58 (db/km)

Thermal parameters

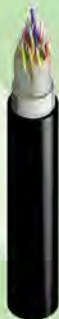
- > **Temperature range:**
-40 to +70°C



Conduit Unfilled Telecommunication Cable (CUC)



Cable Size	Weight Kg/Km	Diameter mm	Reel Length (m)
100*2*0.4mm	503	21	1010-1020
150*2*0.4mm	682	24	1010-1020
200*2*0.4mm	856	26.5	1010-1020
300*2*0.4mm	1217	31	760-765
400*2*0.4mm	1573	35	505-510
500*2*0.4mm	1916	38.5	505-510
600*2*0.4mm	2246	41.5	255-260
1000*2*0.4mm	3582	52	255-260
1200*2*0.4mm	4238	56	255-260
1800*2*0.4mm	6173	67	255-260
2400*2*0.4mm	8084	76	255-260
100*2*0.6mm	963	29	1010-1020
150*2*0.6mm	1369	34	760-765
200*2*0.6mm	1741	38	505-510
300*2*0.6mm	2516	45	505-510
400*2*0.6mm	3258	51	255-260
500*2*0.6mm	3993	56	255-260
600*2*0.6mm	4725	61	255-260
1000*2*0.6mm	7606	76.5	255-260
1200*2*0.6mm	8973	81	255-260
1800*2*0.6mm	13112	97	255-260
2400*2*0.6mm	17186	110.5	255-260



Application

- > As connecting cables in local networks for telephones and signal transmission. The cable is designed so that no water can penetrate. Direct burial is not allowed

Construction

- > **Design:** TCI Spec, CC-102, A2YF(L)2Y
- > **Conductor:** solid plain copper perfectly annealed
- > **Insulation:** HDPE compound, type III, class A, category 4 or 5, grade E8 acc.to ASTM-D1248
- > **Core identification:** pair of insulated conductors are color coded
- > **Filling compound:** cable core filled with colorless petroleum jelly that contains a suitable antioxidant system
- > **Core wrap:** polyester film on cable filled core, used helically or longitudinally as a dielectric material between core and screen and also heat barrier in jacketing process
- > **Screen:** a single flat aluminum with copolymer coating on both sides applied longitudinally over core wrap
- > **Outer jacket:** LDPE compound, type I, class c, category 4 or 5, grade J3, acc.to ASTM-D1248

Electrical parameters

- > **Peak working voltage:** 225V (Not for purposes of power/high voltage current)
- > **Test voltage:** (core to core): 2.8 KV/DC (for 0.4 mm) 3.5 KV/DC (for 0.6 mm) , (core to shield): 15 KV/DC
- > **Max.avg.conductor resistance:**
for 0.4 mm conductor size 139 ohm/km at 20°C
for 0.6 mm conductor size 62 ohm/km at 20°C
- > **Resistance unbalance:**
Ave(for 0.4 mm) : 2 % , Ave (for 0.6mm): 1.5%
- > **Mutual ave.capacitance:** 52±NF/km
- > **Capacitance unbalance:**
(pair to pair):45 , (pair to ground):574
- > **Min insulation resistance:**
>20.000 M.ohm/km at 20°C
- > **Cross talk db/km at 150 (KHZ):**
0.4mm: 56 (db/km) , 0.6mm: 58 (db/km)
- > **Attenuation db/Km at 1024 KHZ:**
Ave (for 0.4mm):23.5 , Ave (for 0.6mm):15.2

Thermal parameters

- > **Temperature range:**
-40 to +70°C

Mechanical parameters

- > **Min.bending radius:**
20 x cable Φ



Conduit Filled Telecommunication Cable (CFC)

A2YF(L)2Y



Cable Size	Weight (kg/km)	Diameter (mm)	Reel Length (m)
10*2*0.4mm	97	10	1010-1020
20*2*0.4mm	152	12	1010-1020
30*2*0.4mm	203	13	1010-1020
40*2*0.4mm	253	15	1010-1020
50*2*0.4mm	304	16	1010-1020
70*2*0.4mm	394	18	1010-1020
100*2*0.4mm	539	21	505-510
150*2*0.4mm	760	24	505-510
200*2*0.4mm	1015	28	505-510
300*2*0.4mm	1454	33	1010-1020
400*2*0.4mm	1879	38	760-765
500*2*0.4mm	2361	42	760-765
600*2*0.4mm	2759	45	505-510
1000*2*0.4mm	4418	56	255-260
1200*2*0.4mm	5436	63	255-260
1800*2*0.4mm	8053	77	255-260
50*2*0.5mm	418	18	1010-1020
70*2*0.5mm	562	21	1010-1020
100*2*0.5mm	755	24	1010-1020
150*2*0.5mm	1092	28	1010-1020
200*2*0.5mm	1460	33	1010-1020
300*2*0.5mm	2090	39	760-765
400*2*0.5mm	2724	44	505-510
500*2*0.5mm	3406	49	505-510
600*2*0.5mm	4013	53	255-260
1000*2*0.5mm	6457	66	255-260
1200*2*0.5mm	7937	75	255-260
10*2*0.6mm	157	11.5	1010-1020
20*2*0.6mm	276	15	1010-1020
30*2*0.6mm	383	17.5	1010-1020
40*2*0.6mm	497	20	1010-1020
50*2*0.6mm	600	21.5	1010-1020
70*2*0.6mm	814	25	1010-1020
100*2*0.6mm	1088	29	1010-1020
150*2*0.6mm	1577	35	760-765
200*2*0.6mm	2100	40	505-510
300*2*0.6mm	3046	48	505-510
400*2*0.6mm	3956	55	255-260
500*2*0.6mm	4948	60.5	255-260
600*2*0.6mm	5840	66	255-260
1000*2*0.6mm	9420	81	760-765



Application

- > These types of cables are suitable for local networks for telephones and signal transmission. The cable is designed so that no water is able to spread inside the cable if its jackets damage

Construction

- > **Design:** TCI spec. CC-101 A2YF(L)2YB2Y
- > **Conductor:** solid plain copper perfectly annealed
- > **Insulation:** HDPE compound, type III, class A, category 4 or 5, grade E8 acc. to ASTM- D 1248
- > **Core identification:** pairs of insulated conductors are color coded
- > **Filling compound:** cable core filled with colorless petroleum jelly that contains a suitable antioxidant system
- > **Core wrap:** polyester film on cable filled core, used helically or longitudinally as a dielectric material between core and screen and heat barrier in jacketing process
- > **Screen:** a single flat aluminum with copolymer coating on both sides applied longitudinally over the core wrap
- > **Inner jacket:** LDPE black compound, type I, class C, category 4 or 5, grade J3 acc. to ASTM D-1248 that fuse to coated aluminum screen
- > **Armour:** a corrugated tin plated steel tape used longitudinally with an over lap
- > **Flooding compound:** The flooding compound compatible with jacket and metal tape between armour and outer jacketing during final jacketing process
- > **Outer jacket:** LDPE black compound, type I, class C, category 4 or 5, grade J-3 acc. to ASTM- D 1248

Electrical parameters

- > **Peak working voltage:**
225V (Not for purposes of power/high voltage current)
- > **Test voltage: (core to core):** 2.8 KV/DC (for 0.4mm)
3.5 KV/DC (for 0.6mm), (core to shield): 15 KV/DC
- > **Max. ave. conductor resistance:**
for 0.4mm conductor size 139 ohm/km at 20°C
for 0.6mm conductor size 62 ohm/km at 20°C
- > **Resistance unbalance (%):**
Ave (for 0.4 mm): 2%, Ave (for 0.6mm): 1.5%
- > **Capacitance unbalance: (pair to pair):** 45, (pair to ground): 54
- > **Mutual ave. capacitance:** 52±2 nf/km
- > **Cross talk db/km at 150 (KHZ):**
0.4mm: 56 (db/km), 0.6mm: 58 (db/km)
- > **Attenuation db/km at 1024 (KHZ):**
Ave (for 0.4mm): 23.5, Ave (for 0.6mm): 15.2
- > **Min insulation resistance:** >20.000 M.Ohm/km at 20°C

Thermal parameters

- > **Temperature range:**
> -40 to +70°C

Mechanical parameters

- > **Min. bending radius:**
> 20 x cable Φ



Buried Filled Telecommunication Cable (BFC)

A2YF(L)2YB2Y



Cable Size	Weight Kg/Km	Diameter mm	Reel Length (m)
10*2*0.4mm	246	15	1010-1020
20*2*0.4mm	327	17	1010-1020
30*2*0.4mm	397	19	1010-1020
40*2*0.4mm	450	20	1010-1020
50*2*0.4mm	516	21	1010-1020
70*2*0.4mm	629	23	1010-1020
100*2*0.4mm	790	25	1010-1020
150*2*0.4mm	1047	29	1010-1020
200*2*0.4mm	1344	33	1010-1020
300*2*0.4mm	1843	38	1010-1020
400*2*0.4mm	2314	42	760-765
500*2*0.4mm	2845	47	505-510
600*2*0.4mm	3277	50	505-510
1000*2*0.4mm	5059	61	255-260
1200*2*0.4mm	6154	68	255-260
1800*2*0.4mm	8917	81	255-260
10*2*0.6mm	330	17	1010-1020
20*2*0.6mm	479	20	1010-1020
30*2*0.6mm	614	22.5	1010-1020
40*2*0.6mm	741	24.5	1010-1020
50*2*0.6mm	864	26.5	1010-1020
70*2*0.6mm	1117	30	1010-1020
100*2*0.6mm	1465	33.5	1010-1020
150*2*0.6mm	2041	39.5	760-765
200*2*0.6mm	2585	44.5	505-510
300*2*0.6mm	3674	52.5	505-510
400*2*0.6mm	4714	59.5	255-260
500*2*0.6mm	5741	65	255-260
600*2*0.6mm	6758	70.5	255-260

Self Supporting Aerial Telecommunication Cable (SSC)

A2Y(L)2Y-T

Application

- > These types of cables are suitable for installation in overhead lines so that the messenger part of the cable is fixed with clamp installed on a mast

Construction

- > **Design:** TCI Spec.CC-103, A2Y(L)2Y-T
- > **Conductor:** solid plain copper perfectly annealed
- > **Insulation:** High density polyethylene compound (HDPE), type III, class A, category 4 or 5, grade E8 acc. to ASTM- D1248
- > **Core identification:** pairs of insulated conductors are color coded
- > **Core wrap:** polyester film on cable core, used helically as dielectric material between core and screen and heat barrier in jacketing process
- > **Screen:** a layer of aluminum copolymer tape wrapped longitudinally to be used as a shield and also moisture barrier over the core wrap
- > **Messenger:** seven strands of high carbon galvanized steel wires for withstanding cable and outer loads
- > **Jacket:** high density polyethylene(HDPE) compound, type III, class c.category 4 or 5 grade J3 acc.to ASTM-D1248



Electrical parameters

- > **Peak working voltage:** 225V (Not for purposes of power/high voltage current)
- > **Test voltage:**
 - (core to core): 2.4 KV/DC (for 0.4 mm)
 - 3.5 KV/DC (for 0.6 mm) , 5 KV/DC (for 0.8 mm)
 - (core to shield): 10 KV/DC
- > **Max.avg.conductor resistance:**
 - 139 ohm/km at 20°C for 0.4 mm conductor size
 - 62 ohm/km at 20°C for 0.6 mm conductor size
 - 35 ohm/km at 20°C for 0.8 mm conductor size
- > **Resistance unbalance (%) :** Ave(for 0.4 mm): 2%
Ave(for 0.6mm): 1.5%
- > **Min insulation resistance:** >20,000 M. ohm/km at 20°C
- > **Max.avg.mutual capacitance:** 52±NF/km at 20°C
- > **Cross talk db/km at 150 (KHZ):**
 - 0.4mm: 56 (db/km) , 0.6mm:58 (db/km)
- > **Attenuation db/Km at 1024 KHZ:**
 - Ave (for 0.4mm):25.7 , Ave (for 0.6mm):17.3

Thermal parameters

- > **Temperature range:**
-40 to +70°C

Mechanical parameters

- > **Min.bending radius:**
20 x cable Φ



Self Supporting Aerial Telecommunication Cable (SSC)

(A2Y(L)2Y-T



Cable Size	Weight Kg/Km	Diameter mm	Reel Length (m)
10*2*0.4mm	135	9	1010-1020
20*2*0.4mm	173	11	1010-1020
30*2*0.4mm	209	12	1010-1020
40*2*0.4mm	244	13	1010-1020
50*2*0.4mm	311	14	1010-1020
70*2*0.4mm	378	15	1010-1020
100*2*0.4mm	479	17	505-510
150*2*0.4mm	647	20	505-510
200*2*0.4mm	875	23	505-510
10*2*0.6mm	220	11	1010-1020
20*2*0.6mm	304	13	1010-1020
30*2*0.6mm	392	15	1010-1020
40*2*0.6mm	470	17	1010-1020
50*2*0.6mm	558	18	1010-1020
70*2*0.6mm	781	20	505-510
100*2*0.6mm	1024	23	505-510
10*2*0.8mm	244	13	1010-1020
20*2*0.8mm	402	16	1010-1020
30*2*0.8mm	526	18	1010-1020
40*2*0.8mm	648	20	1010-1020
50*2*0.8mm	842	22	1010-1020
70*2*0.8mm	1080	25	505-510
100*2*0.8mm	1445	29	505-510

Application

- > These wire are suitable for connecting subscribers premises to communication network cable

Construction

- > **Design:**
A2Y-T, TCI Spec
- > **Conductor:**
Annealed copper wire with diameter 0.6 or 0.9mm
- > **Self supporting:**
galvanized steel wire with diameter of 0.7mm
- > **Steel outer jacket:**
low density polyethylene(LDPE)

Electrical parameters

- > **Test Voltage:**
15KV/DC
- > **Conductor resistance:**
63 (ohm/km) for 0.6 mm and 28 (ohm/km) for 0.9 mm
- > **Min.insulation resistance:**
2000 M.ohm/km
- > **Mutual capacitance:**
40 NF/km at 20°C



Rail Way Signal Cable

These types of cables are suitable for using signaling in railway network station

Design: acc.to from railway regent

Conductor: plain annealed copper conductor, solid (class1)

Insulation: polyethylene compound

Stranding: multicore, multi pair, multi triple or multi quad

Core wrap: polyester tape

Screen: copper wires screened for protected cables and polyester tape for wrap over copper screen

Inner covering: black PVC compound

Armour: galvanized steel tape

Outer jacket: black PVC compound

Rated voltage: 0,6/1 (KV)

Test voltage: 3,5 (KV)

Min.insulation resistance: 10 G.ohm/Km

Mutual for multi core (capacitance at 800 HZ): max 200Ni/ Km

Max conductor resistance: (for 0.9 mm) 28.5 Ω / Km
(for 1.4 mm) 11.9 Ω / Km

Application

Construction

Electrical parameters



Switch Board Cables With Or Without Screen

Application

- > These types of cables are suitable for signaling purposes between switch-boards

Construction

- > **Design:**
acc.to VDE 0813 SY, SY(ST)Y
- > **Conductor:**
solid tinned or plain annealed copper conductor
- > **Insulation:**
PVC compound type acc.to Y13 (BS 6746 Type 2) or PE
- > **Core wrap:**
polyester tape
- > **Screen:**
aluminium foil with drain wire
- > **Jacket:**
PVC compound type YM1 (Black or grey)

Electrical parameters

- > **Peak working voltage:**
300V
- > **Test voltage:**
800V
- > **Min.insulation resistance:**
100 M.ohm/Km
- > **Mutual capacitance at 1000 (HZ):**
Max.120 NF/Km
- > **Max conductor Loop resistance:**
(for 1 mm) 23.4 Ω /Km
(for 0.6 mm) 65 Ω /Km
(for 0.5 mm) 23.4 Ω /Km



These cables are suitable for transmitting voice, data < and video, in computer networks

Application

Design:

EIA 568 standard

Conductor:

solid plain copper perfectly annealed

Insulation:

PE insulation

Jacket:

PVC compound

Construction

Peak working voltage:

200V

Test Voltage:

wire to wire 2000V

Max.capacitance at 1000 (HZ):

56 NF/km

Max.loop resistance:

187 Ohm/Km

Max.attenuation at 100 (MHZ):

22db

Near end cross talk at 100 (MHZ):

32db

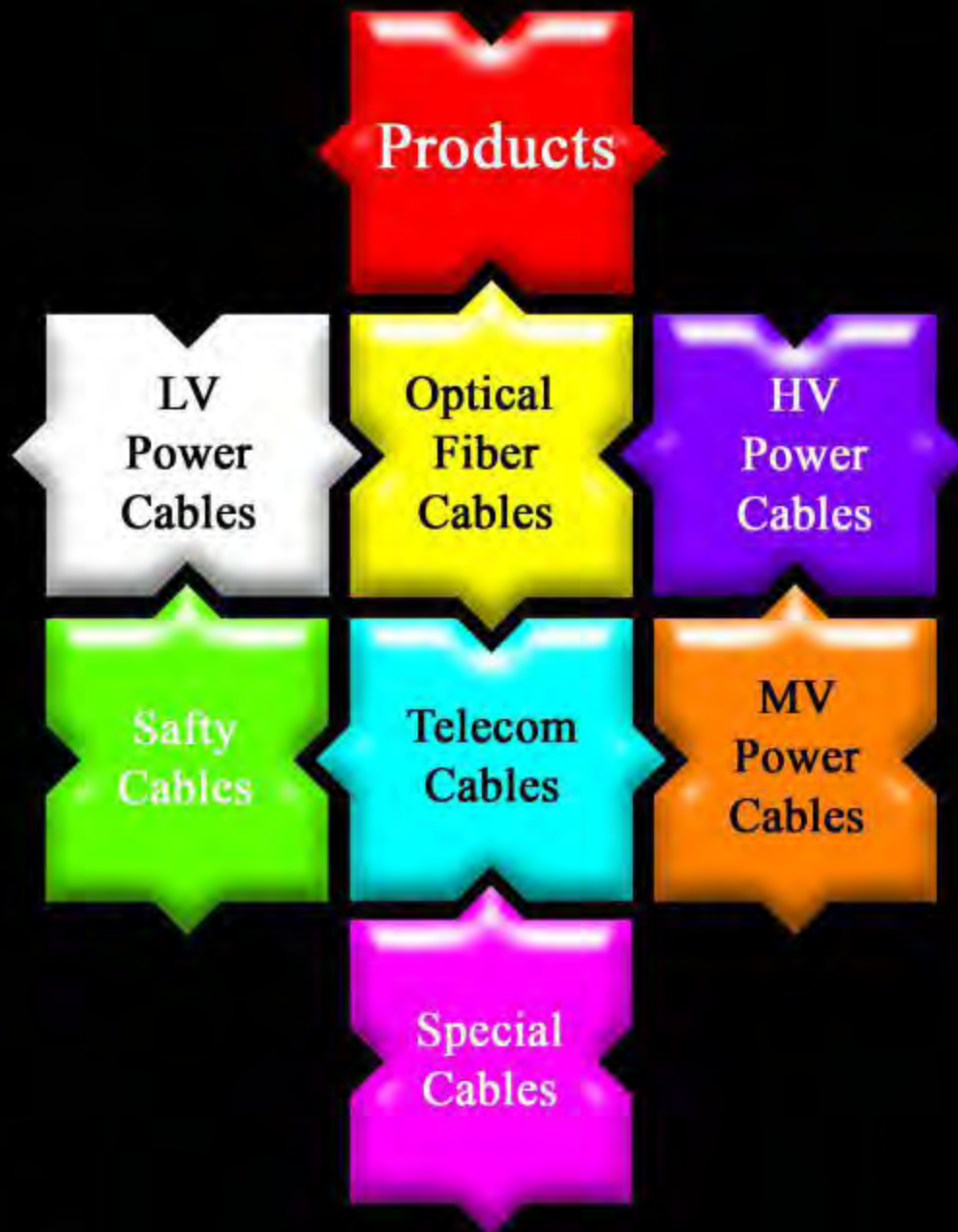
Impedance:

100 Ohm

Electrical parameters



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