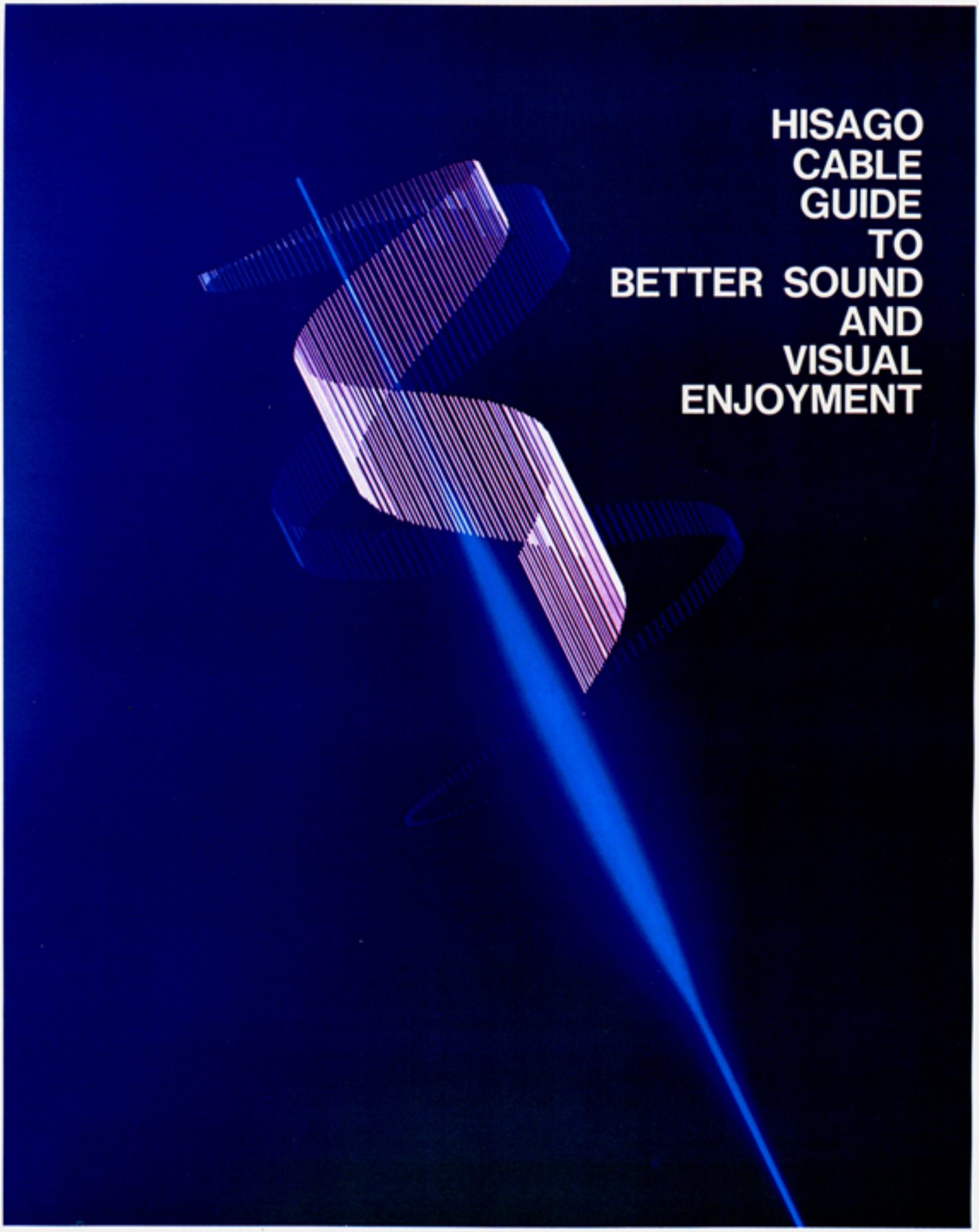


HISAGO DENZAI CO., LTD.
TOKYO, JAPAN.

Brief Introduction

The HISAGO audio and video cables are designed and manufactured through many years of experiences in the production of broader ranges of the quality cables including those for OEM applications, with accumulated manufacturing techniques and technical know-how, thus fully meeting customer requirements and contributing much to the industry.
The following pages will show the representative standard models selected by the groups of OFC, PCOCC, 6N and 7N copper wires, and they are supplied with complete packagings or bulk cables supplied in hanks or with bobbins as required.



HISAGO CABLE ASSEMBLIES IN DISPLAY PACKAGING CASES

Brief Description of Raw Copper Wires

The copper wires are generally classified according to the contents of oxygen, hydrogen and other impurities contained in the raw copper material and are expressed by the copper purity(%) and/or the number of the digit 9. The oxygen contained in the raw copper material is reduced to vapour when subjected to heating at a high temperature under the hydrogen-contained environment. This reduction would expand to result in cracks and pinholes in the grain boundaries, as referred to by "Hydrogenous Brittleness" which would abversely affect on the conductance and overall cable quality as well. It is therefore important to minimize the oxygen content in the raw copper material.

1) Major Properties of Raw Copper Wires (TPC, OFC and PCOCC):

Raw Copper Wires		PCOCC	OFC	TPC
Copper Purity (wt %)		>99.997	>99.996 (4N)	>99.9 (3N)
Specific Gravity (g/cm^3)	x	8.938	8.926	8.745
	max	8.940	8.933	8.887
Gas Ingredient (ppm)	O_2	< 5	< 10	200 to 500
	H_2	< 0.25	< 0.5	< 0.3
Hydrogenous Brittleness observed to cause cracks/pinholes in grain boundaries.		Not observed	Not observed	Observed
				

Remarks:

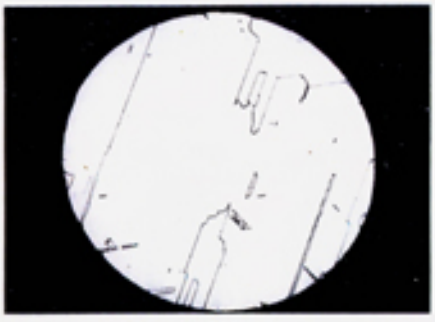
* ( ) indicates the corresponding copper purity expressed by the number of the digit 9.
* TPC : Tough Pitch Copper
* OFC : Oxygen Free Copper
* PCOCC : Pure Crystal OHNO Continuous Casting (manufacturing process).

Outstanding Features:

* Very high copper purity, and very small contents of oxygen, hydrogen and other impurities.
* Unlike the OFC and TPC wires, a single crystal is grown in the continuous form in one direction only, making it possible for the quality and cleaner audio and video signal transmissions.

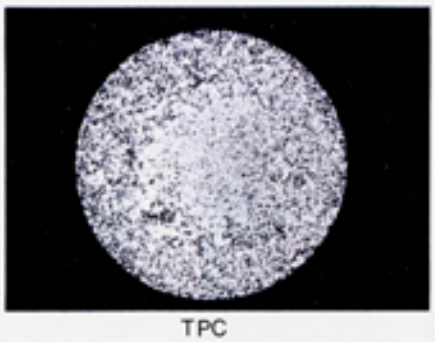
2) 6N (Copper Purity : 99.9999%) and 7N (Copper Purity : 99.99999%):

These are the ultra high copper purity wires developed to meet further requirements for the latest A/V systems calling for connecting cables of higher copper purity to ensure the signal transmissions of higher level sound and visual quality.



7N

Sectional views of 7N and TPC wires showing easy comparison of the contents of impurities.



TPC

OFC

99.996% Oxygen Free Copper Wires

- Conductor and Shields : OFC processed wires.
- Wire Constructions : Specially designed for anti-vibration, distortion-free sound pleasure and clear video images.
- Connectors : 24K Gold Plated.

(99.996%)High Grade Cables



Hi-Fi Audio/Video Cables

HD-23270 (1m • 1.5m • 2m • 3m)



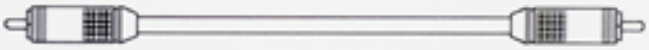
PIN PLUG × 2 ⟷ PIN PLUG × 3

HD-30870 (1m • 1.5m • 2m • 3m)



PIN PLUG × 3 ⟷ PIN PLUG × 3

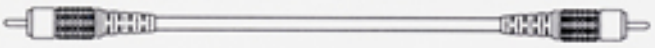
HD-11770/VIDEO CABLE
(1m • 1.5m • 2m • 3m)



PIN PLUG ⟷ PIN PLUG

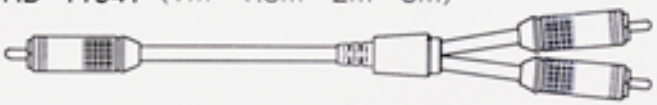
Hi-Fi Audio Cables

HD-11740 (1m • 1.5m • 2m • 3m)



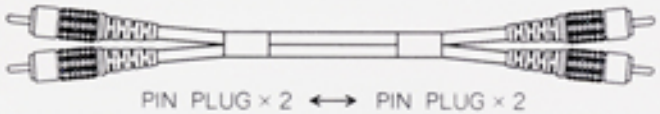
PIN PLUG ⟷ PIN PLUG

HD-11841 (1m • 1.5m • 2m • 3m)



PIN PLUG ⟷ PIN PLUG × 2

HD-23080 (1m • 1.5m • 2m • 3m)



PIN PLUG × 2 ⟷ PIN PLUG × 2

HD-22990/S-VHS Cable
(1m • 1.5m • 2m • 3m)



4-Pin MINI PLUG ⟷ 4-Pin MINI PLUG

HD-40690 (1m • 1.5m • 2m • 3m)



PIN PLUG × 2
4-Pin MINI PLUG
⟷
PIN PLUG × 2
4-Pin MINI PLUG



OFC 99.996% Oxygen Free Copper Wires

OPTICAL TRANSMISSION

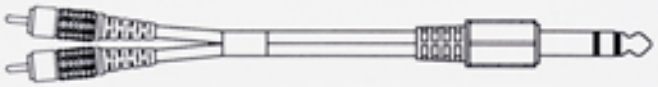
Stereo Cables

HD-20490 (1m • 1.5m • 2m • 3m)



PIN PLUG × 2 ⟷ Φ3.5 STEREO PLUG

HD-20491 (1m • 1.5m • 2m • 3m)



PIN PLUG × 2 ⟷ Φ6.3 STEREO PLUG

HD-20370 (3m) Headphone Extension Cord



Φ3.5 STEREO PLUG ⟷ Φ3.5 STEREO JACK

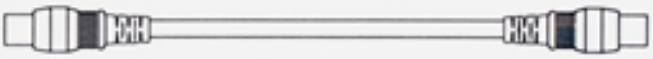
TV Antenna Cables (75 Ω)

HD-10920 (1.5m • 2m • 3m)



PAL PLUG ⟷ PAL PLUG

HD-10921 (1.5m • 2m • 3m)



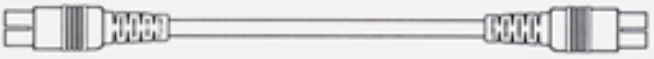
PAL PLUG ⟷ PAL SOCKET

HD-10922 (1.5m • 2m • 3m)



PAL PLUG ⟷ PAL PLUG

HD-10202 (1.5m • 2m • 3m)

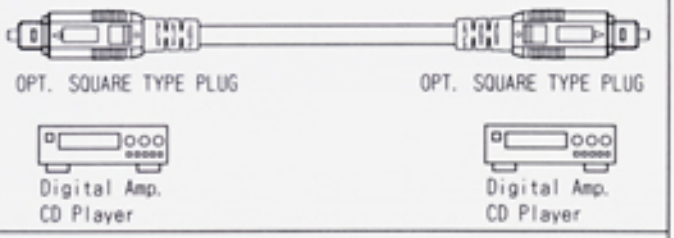


F-PLUG ⟷ F-PLUG

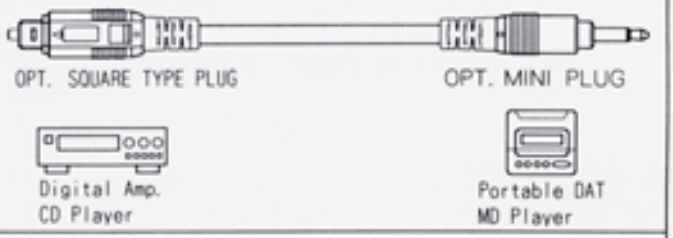


Optical Fiber Cables for Digital Audio

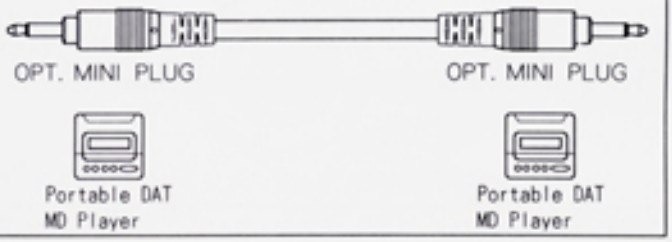
HD-13590 (1m • 1.5m • 2m)



HD-13591 (1m • 1.5m • 2m)



HD-13592 (1m • 1.5m • 2m)



Note :

* The optical fiber cable is for the digital audio transmission use, and should not be inserted into the analog 3.5㎜ stereo or mono mini jack.



OFC 99.996% Oxygen Free Copper Wires

Hi-Fi Digital-Audio Cables

HD-21870 (0.75m • 1m • 1.5m • 2m)





PIN PLUG × 2 ⟷ PIN PLUG × 2

HD-11890 (0.75m • 1m • 1.5m • 2m)

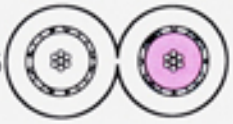




PIN PLUG ⟷ PIN PLUG

Wire Construction

Φ 5.5



Conductor : OFC
Insulation : PE
Shield : OFC
Jacket : PVC

Φ 7.0



Cable for low-noise
Conductor : OFC
Insulation : PEF
Shield : OFC
Jacket : PVC

Digital-Video Cables

HD-11020 (1m • 1.5m • 2m • 3m)





PIN PLUG ⟷ PIN PLUG

HD-11021 (1m • 1.5m • 2m • 3m)





PIN PLUG ⟷ BNC

HD-11022 (1m • 1.5m • 2m • 3m)





PAL PLUG ⟷ PAL SOCKET

HD-11023 (1m • 1.5m • 2m • 3m)





PAL PLUG ⟷ PAL PLUG

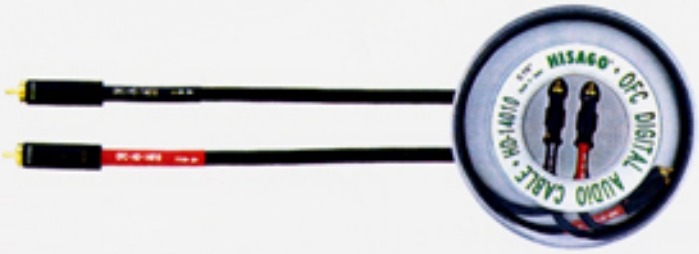
Wire Construction

Φ 8.0



Conductor : OFC
Insulation : PEF
Shield : Aluminum foil
OFC
Jacket : PVC

OFC 99.996% Oxygen Free Copper Wires

High Grade Digital-Audio Cables	Wire Construction
HD-13760 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Multi-Conductor Φ 6.0  Conductor : OFC Insulation : XLPE Shield : Aluminum foil OFC Jacket : PVC
HD-13770 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Multi-Conductor Φ 8.0  Conductor : OFC Insulation : XLPE Shield : OFC Aluminum foil OFC Jacket : PVC
HD-14010 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Multi-Conductor Φ 8.0  Conductor : OFC OFC Insulation : XLPE PEF Shield : OFC Jacket : PVC Polyester Thread

High Grade Visual Cables	Wire Construction
HD-13940 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Φ 8.0  Conductor : OFC Insulation : PE Shield : Aluminum foil OFC Jacket : PVC
HD-14040 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Φ 8.0  Conductor : OFC Insulation : PE Shield : Aluminum foil OFC Jacket : PVC Polyester Thread

PC OCC

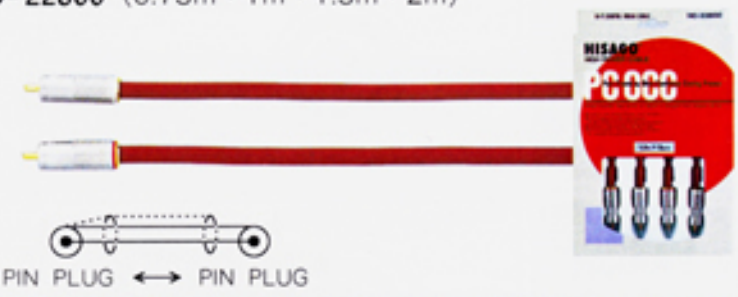
Pure Crystal by Ohno Continous Casting Process

Single crysral, high purity of 99.997% Oxygen Free Copper Wires
- Conductor and Shields : PCOCC processed wires.
- Wire Constructions : Specially designed for anti-vibration, distortion-free sound pleasure and clear video images.
- Connectors : 24K Gold Plated.
- Wire Connections : Non-soldering, but spot welded to connectors for perfect connections.

- PC OCC Processed Copper Wire (Purity : 99.997%) : Single crystal grown in the continuous form in one direction only, making it possible for the quality and clearer audio and video signal transmissions.

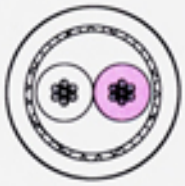
Hi-Fi Digital-Audio Cables

HD-22800 (0.75m • 1m • 1.5m • 2m)



PIN PLUG ⟷ PIN PLUG

Wire Construction

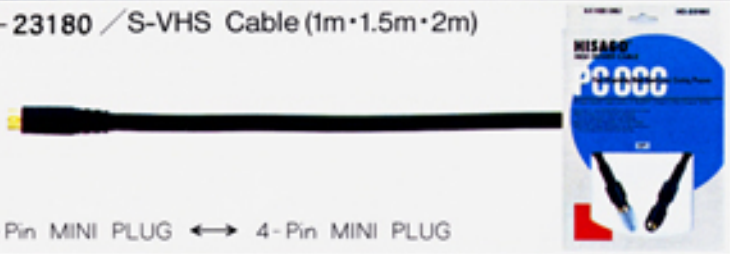


Φ 8.0

Conductor : PCOCC
Insulation : PE
Shield : OFC
Jacket : PVC

Digital-Video Cables

HD-23180 / S-VHS Cable (1m•1.5m•2m)



4-Pin MINI PLUG ⟷ 4-Pin MINI PLUG

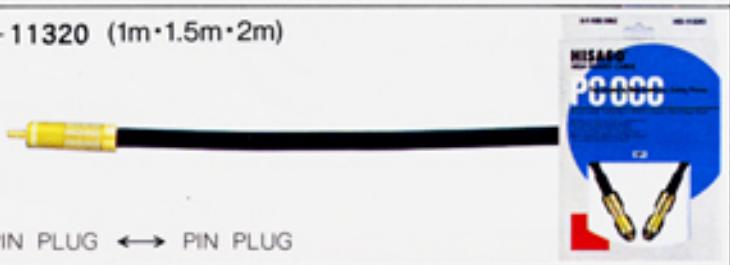
Wire Construction



Φ 3.6

Conductor : PCOCC
Insulation : PE
Shield : OFC
Jacket : PVC

HD-11320 (1m•1.5m•2m)



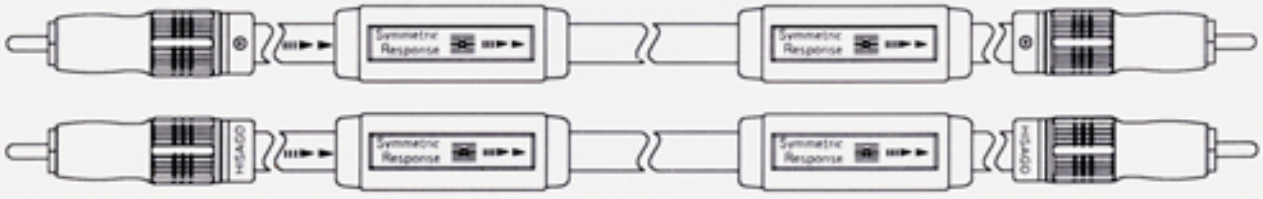
PIN PLUG ⟷ PIN PLUG



Φ 8.5

Conductor : PCOCC
Insulation : PEF
Shield : Aluminum foil
PCOCC
Jacket : PVC

HD-13580/1.2m Symmetric Response Audio Cables PC OCC-Plus









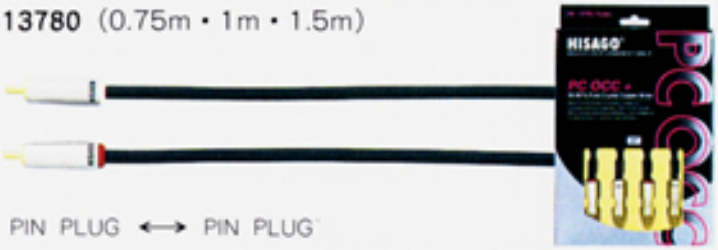
Φ 8.0

Conductor < 1 PCOCC / 2 OFC
Insulation : XLPE
Shield : Aluminum foil
OFC
Jacket : PVC

PC OCC Pure Crystal by Ohno Continous Casting Process (99.997%) Higher Performance Cables

Higher Grade Digital-Audio Cables

HD-13780 (0.75m • 1m • 1.5m)



PIN PLUG ⟷ PIN PLUG

Wire Construction

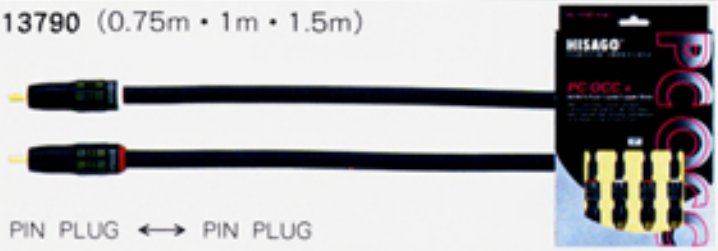
Multi-Conductor



Φ 6.0

Conductor : PCOCC
Insulation : XLPE
Shield : Aluminum foil
OFC
Jacket : PVC

HD-13790 (0.75m • 1m • 1.5m)



PIN PLUG ⟷ PIN PLUG

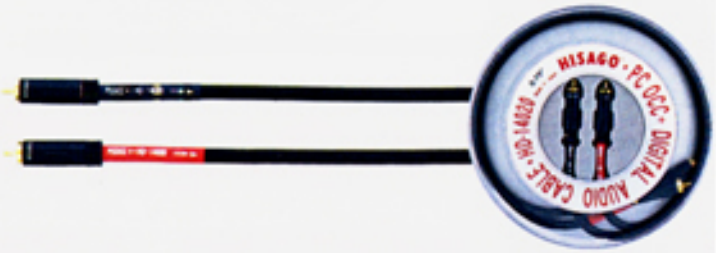
Multi-Conductor



Φ 8.0

Conductor : PCOCC
Insulation : XLPE
Shield : OFC
Aluminum foil
OFC
Jacket : PVC

HD-14020 (0.75m • 1m • 1.5m)



Contact - Lock PIN PLUG ⟷ Contact - Lock PIN PLUG

Multi-Conductor



Φ 8.0

Conductor : PCOCC
Insulation : XLPE
PEF
Shield : OFC
Jacket : PVC
Polyester Thread

Higher Grade Visual Cables

HD-13950 (0.75m • 1m • 1.5m)



PIN PLUG ⟷ PIN PLUG

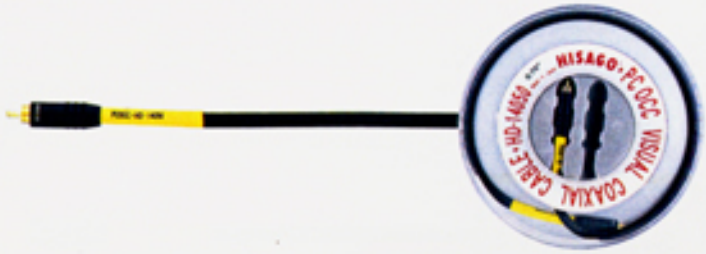
Wire Construction



Φ 8.0

Conductor : PCOCC
Insulation : PE
Shield : Aluminum foil
OFC
Jacket : PVC

HD-14050 (0.75m • 1m • 1.5m)



Contact - Lock PIN PLUG ⟷ Contact - Lock PIN PLUG



Φ 8.0

Conductor : PCOCC
Insulation : PE
Shield : Aluminum foil
OFC
Jacket : PVC
Polyester Thread

6-Nines

99.99998% Oxygen Free Copper Wires

- Wire Constructions : Specially designed.
- Connectors : 24K Gold Plated.
- Perfect wire connections.

- 1/100 impurities compared with general OFC (4N).
- 1/100 number of crystal grains compared with general OFC (4N).
- 1/1,000,000,000 faults of nuclear arrangement.

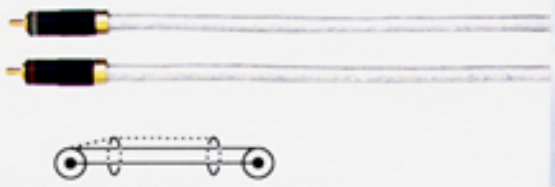
Hi-Fi Digital-Audio Cables

HD-13350 (0.75m • 1m • 1.5m)



PIN PLUG ⟷ PIN PLUG

HD-22830 (0.75m • 1m • 1.5m)



PIN PLUG ⟷ PIN PLUG



Wire Construction

Cable for low-noise

Φ 7.0



Conductor : 6N

Insulation : PEF
Shield : OFC
Jacket : PVC

Φ 8.0

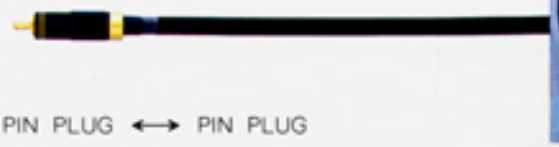


Conductor : 6N

Insulation : PEF
Shield : OFC
Jacket : PVC

High Definition Video Cables

HD-13310 (1m • 1.5m • 2m • 3m)



PIN PLUG ⟷ PIN PLUG



Wire Construction

Φ 8.0



Conductor : 6N
Insulation : PEF
Shield : Aluminum foil
OFC
Jacket : PVC

HD-23490 / S-VHS Cable (1m·1.5m·2m)



4-Pin MINI PLUG ⟷ 4-Pin MINI PLUG

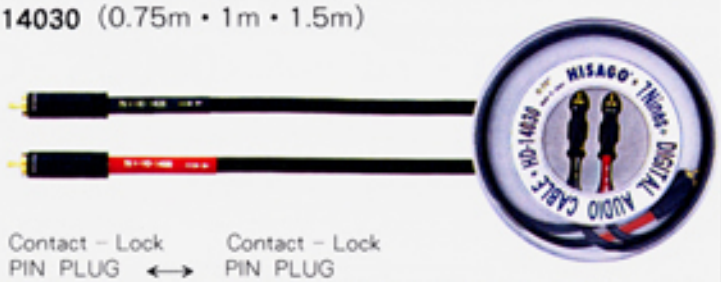
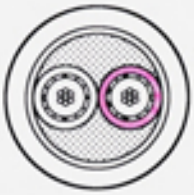


Φ 6.5



Conductor : 6N
Insulation : PEF
Shield : OFC
Jacket : PVC

7-Nines+ (99.99999%) Highest Purity Cables

Highest Purity Digital-Audio Cables	Wire Construction
HD-13800 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Multi-Conductor Φ 6.0  Conductor : 7N Insulation : XLPE Shield : Aluminum foil OFC Jacket : PVC
HD-13810 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Multi-Conductor Φ 8.0  Conductor : 7N Insulation : XLPE Shield : OFC Aluminum foil OFC Jacket : PVC
HD-14030 (0.75m • 1m • 1.5m)  Contact – Lock PIN PLUG ⟷ Contact – Lock PIN PLUG	Multi-Conductor Φ 8.0  Conductor : 7N Insulation : XLPE PEF Shield : OFC Jacket : PVC Polyester Thread
Highest Purity Visual Cables	**Wire Construction**
HD-13960 (0.75m • 1m • 1.5m)  PIN PLUG ⟷ PIN PLUG	Φ 8.0  Conductor : 7N Insulation : PE Shield : Aluminum foil OFC Jacket : PVC
HD-25040 S-VHS CABLE (0.75m • 1m • 1.5m)  4-Pin MINI PLUG ⟷ 4-Pin MINI PLUG	Φ 8.0  Conductor : 7N Insulation : PEF Shield : Aluminum foil OFC Jacket : PVC
HD-14060 (0.75m • 1m • 1.5m)  Contact – Lock PIN PLUG ⟷ Contact – Lock PIN PLUG	Φ 8.0  Conductor : 7N Insulation : PE Shield : Aluminum foil OFC Jacket : PVC Polyester Thread

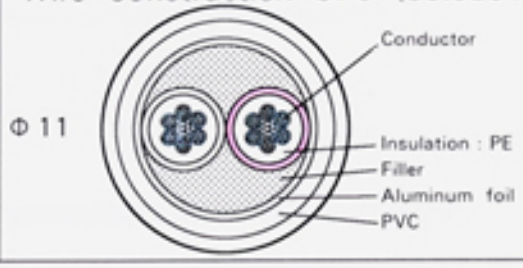
OFC Multi-Conductor Speaker Cables

HD-2382 (50met./Bobbin)



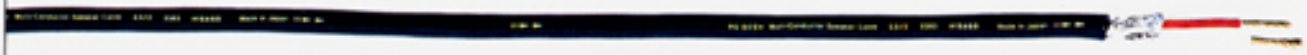


Wire Construction OFC (99.996 %)



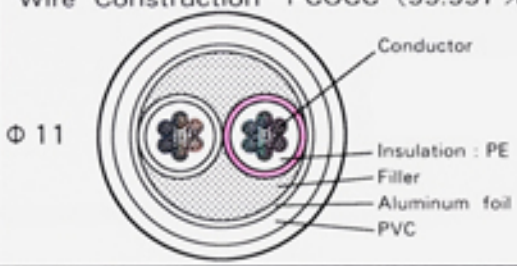
PC OCC+ Multi-Conductor Speaker Cables

HD-2383 (50met./Bobbin)





Wire Construction PCOCC (99.997 %)



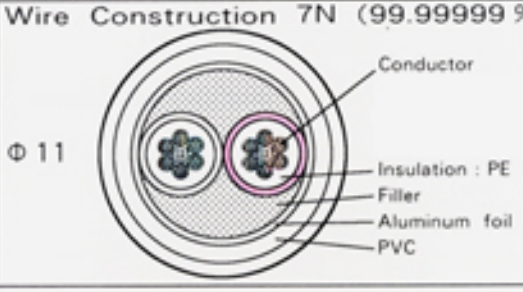
7-Nines+ Multi-Conductor Speaker Cables

HD-2384 (50met./Bobbin)



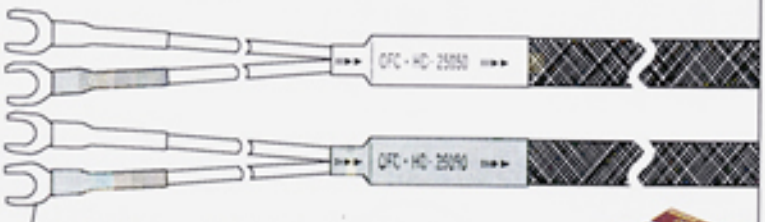


Wire Construction 7N (99.99999 %)



OFC Multi-Conductor Speaker Cables

HD-25050 / 3m • 5m • 7m

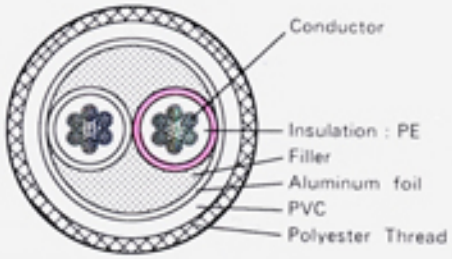


PC OCC Lug 24K Gold Plated



Wire Construction

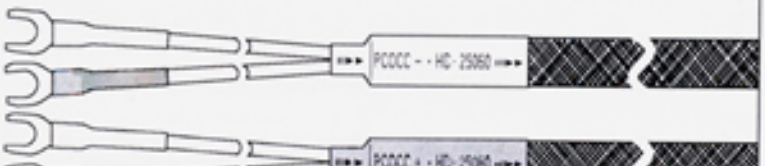
OFC (99.996 %)





PC OCC+ Multi-Conductor Speaker Cables

HD-25060 / 3m • 5m • 7m

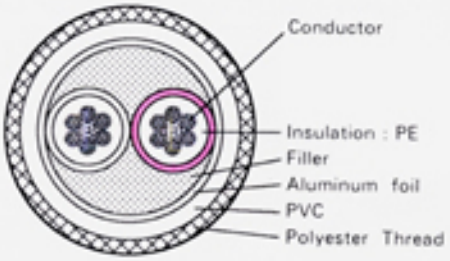


PC OCC Lug 24K Gold Plated



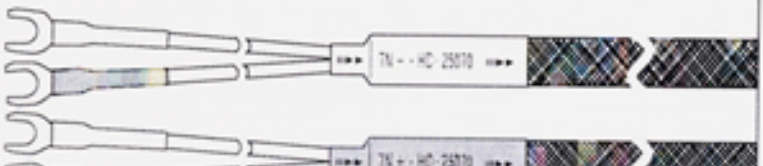
Wire Construction

PCOCC + (99.997 %)

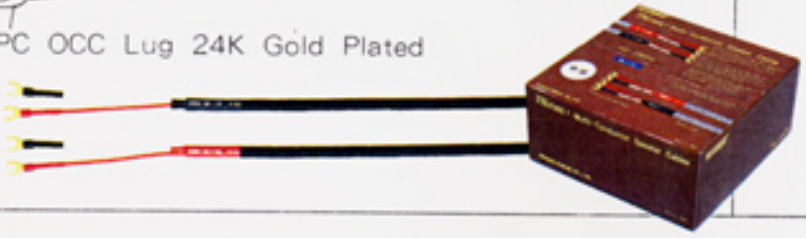


7-Nines+ Multi-Conductor Speaker Cables

HD-25070 / 3m • 5m • 7m

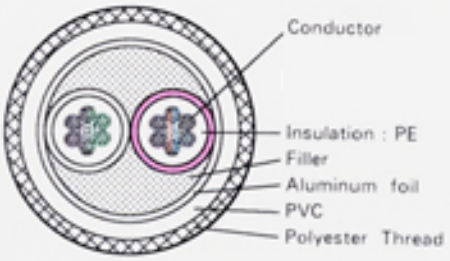


PC OCC Lug 24K Gold Plated



Wire Construction

7N + (99.99999 %)



VARIOUS OFC • PCOCC HIGH GRADE CABLES

O-0098 • SPEAKER CABLE, OFC

3.5



Conductor : OFC
Insulation : PE
Jacket : PVC

O-0148 • SPEAKER CABLE, OFC

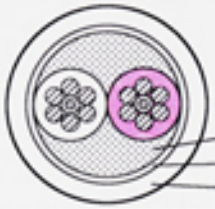
Φ 4.0



Conductor : OFC
Jacket : PVC

O-2343 • MULTI-SPEAKER CABLE, OFC

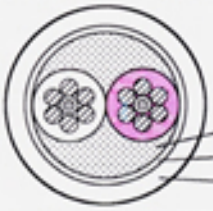
Φ 10



Conductor : OFC
Clothing : PE
Conductor :
Insulation : PE
Filler
Tape
PVC

O-2344 • MULTI-SPEAKER CABLE, OFC

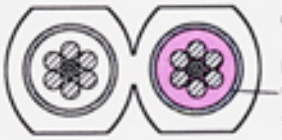
Φ 12.5



Conductor : OFC
Clothing : PE
Conductor
Insulation : PE
Filler
Tape
PVC

O-2600 • CAR SPEAKER CABLE, PCOCC+

4.8



Conductor : PCOCC
Insulation : SBC
Copper foil
Jacket : PVC

BA-1183 • COAXIAL CABLE (3C-FBS), OFC

Φ 6.0



Conductor : OFC
Insulation : PE
Aluminum foil
Shield :
Jacket : PVC

B-1364 • COAXIAL CABLE (3C-2V), OFC

Φ 5.4



Conductor : OFC
Insulation : PE
Shield
Jacket : PVC

BA-1365 • COAXIAL CABLE (BSCX), OFC

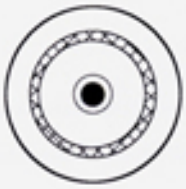
Φ 6.0



Conductor : OFC
Insulation : PEF
Aluminum foil
Shield :
Jacket : PVC

B-1366 • COAXIAL CABLE (5CFVA), OFC

Φ 7.5



Conductor : OFC
Insulation : PEF
Aluminum foil
Shield :
Jacket : PVC

B-1367 • COAXIAL CABLE (S5CFV), OFC

Φ 7.5



Conductor : OFC
Insulation : PEF
Shield :
Jacket : PVC

BS-1016 • AUDIO CABLE, OFC

Φ 6.0



Conductor : OFC
Insulation : PE
SEC compound
Shield : 6/0.12A × 24
Jacket : PVC

BC-1190 • CAR AUDIO CABLE, OFC

Φ 7.0



Conductor : OFC
Insulation : SBC
Copper foil
Shield : OFC
Jacket : PVC

BC-1191 • CAR AUDIO CABLE, PCOCC

Φ 7.0



Conductor : PCOCC
Insulation : SBC
Copper foil
Shield : OFC
Jacket : PVC

SS-2309 • MICROPHONE CABLE, LOW NOISE, OFC

Φ 6.0

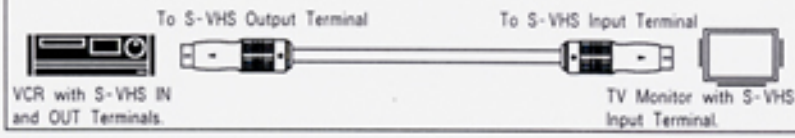


Conductor : OFC
Insulation : PE
SEC compound
Shield
Filler
Tape
Jacket : PVC

OFC S-VHS Cables

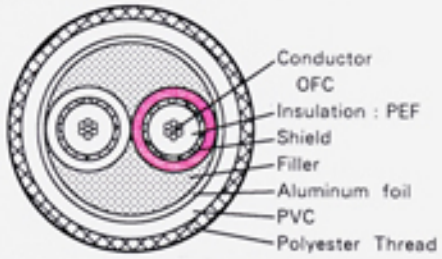
HD-24950 / 0.75m • 1m • 1.5m • 2m





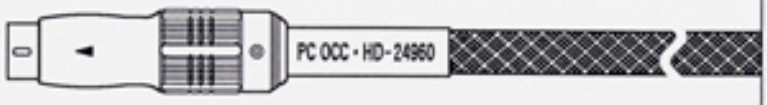
Wire Construction

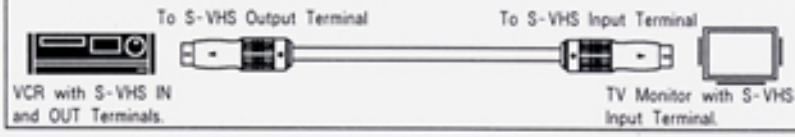
OFC (99.996 %)



PC OCC S-VHS Cables

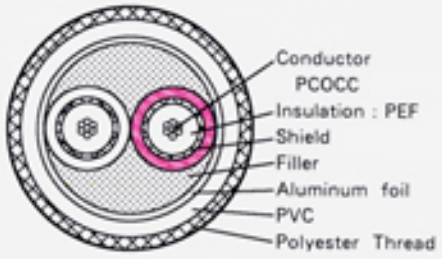
HD-24960 / 0.75m • 1m • 1.5m • 2m





Wire Construction

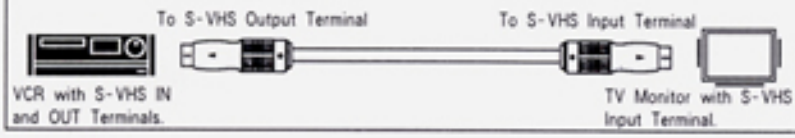
PCOCC (99.997 %)



7-Nines S-VHS Cables

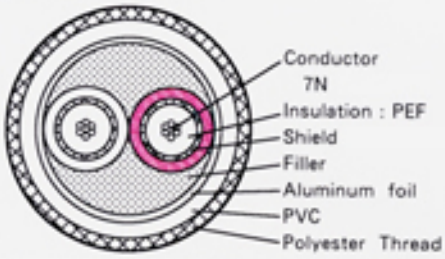
HD-24970 / 0.75m • 1m • 1.5m • 2m





Wire Construction

7N (99.99999 %)







HISAGO DENZAI CO., LTD.

TOKYO, JAPAN.

For further information, please contact us, local agents or distributors.

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