

ACROSS 750



Unlimited potential, ACROSS 750.

The Across 750 cable emerged as a result of growing customer demand for an interconnect cable that would match the performance of our ACROSS 2000 speaker cable. We have employed the same basic concepts used in our ACROSS 2000 speaker cable - C.I.S. construction, halogen free sheath and PCOCC-A conductors. Modifying the overall design to yield a new type of interconnect cable, the Across 750, a cable that can take you new, unexplored heights of performance.

In contrast to its elegant caviar black exterior color, ACROSS 750 is constructed by several innovative ideas and novel design concepts. Its basic architecture is C.I.S structure which was produced to diffuse vibrations into the air chamber rather than being re-absorbed into the cable structure. This newly-developed structure enhances not only vibration damping property but electrical characteristic.

The Multi-stranded wire structure, originally developed for ACROSS series, is applied for maximum density and uniformity of wire structure and for infilling of internal space and preventing deformation among the wires.

Moreover, spiral shielding is employed for infilling of internal space as well as the conductor and its halogen-free sheath was specifically developed for audio use.

The astonishingly creative and leading-edge technology honed by decade of experience in developing cables is seemingly married with the sophisticated structure and the latest materials.

PCOCC-A

PCOCC copper is a material that includes very few impurities and insures very low levels of signal disturbance. Because of its low incidence of grain boundaries, the signal passes without impediment or distortion. Heating and cooling the PCOCC wire under controlled circumstances yields a densely re-crystallized, highly pure structure called a μ conductor. The resulting product with a mirror finish applied is called PCOCC-A copper. This highly advanced product is made possible by the combined application of high technology and traditional Japanese craftsmanship.

C.I.S (Cross insulated stabilizer) STRUCTURE

We have continuously been aiming to increase vibration damping property and noise protection capability of cable. ACROSS 750 elevates interconnect cable to the new heights by applying C.I.S (Cross Insulated Stabilizer) structure developed specially for ACROSS series. Since the C.I.S structure supports the central conductor not with surface but point, it is able to minimize mutual interference between the central conductor and the outside. And internally built vibration damper diffuses vibrations into the air chamber rather than being re-absorbed into the cable structure and passed along with the signal as distortion. The incomparable advancement of vibration control properties and superior electrical characteristics realizes excellent performance without any loss of transmission.

Multi-stranded wire structure

A core component of ACROSS 750 is PCOCC-A signal transmission unit, 0.75sq diameter, and forms the Multi-stranded wire structure which was originally invented for ACROSS series and reflects our solid design concept. Rather than twisting whole wires, the triple-layered inverted concentric structure is employed for maximum density and uniformity of wire structure and for infilling of internal space and preventing deformation among the wires. Spiral shielding is applied to infill internal space and to prevent deformation among the wires as well as the conductor. The number of wires used for the spiral shield is about three times more than the number for the conductor.

Special Characteristic

Although ACROSS 750 gives an impression of a cable which is particularly effective in diffusing vibration because of its unique architecture, it also has high potentiality for transmission performance.

Its electric capacitance is set to 68.0pF/m (1kHz) and characteristic impedance is set to 70Ω.

Not only an innovative idea but also physical and numeric logic are necessary to realize excellent performance with no loss of transmission.

Insulator and sheath

In addition to PCOCC-A conductor, we employed halogen-free sheath developed specifically for audio applications. It is RoHS compliant and has excellent vibration damping property due to its compounding ratio of materials. It also has superior electrical characteristic which controls the elevation of relative permittivity and attenuation of electric quantity of bass sound.

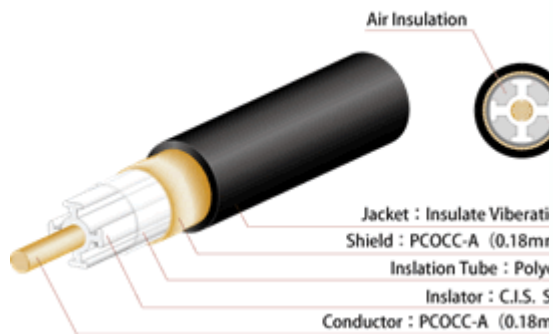
The insulator is made from polyolefin which has quarter of permittivity compared to common PVC. We paid careful attention to strengthen the cohesiveness of its insulator and conductor in order to infill random space and maintain a high-quality signal transmission.

CONNECTOR (ACROSS 750 RR)

This new RCA plug was designed to maximize the performance of the Across 750 interconnect. It is made from RoHS compliant brass, and utilizes a nanotube structure for the center pin to provide maximum contact area. The contacts are plated with 0.5 micron thick Rhodium to prevent corrosion. Internal insulating materials are made from low-dielectric PTEE to extenuate the loss of signal transmission.

Each component of ACROSS 750RR is produced and processed in Japan with confidence in our standard - "Made in Japan".

ACROSS-750



Specification ACROSS 750

Conductor	PCOCC-A
AWG	0.75Sq (30/0.18)
Cable Structure	C.I.S (Cross insulated stabilizer)
Insulation	Polymer Polyolefin
Insulation Tube	Polyethylene
Outer jacket	Halogen Free Polyethylene
Cable O.D.	8.0mm
Conductor resistance	8.4 Ω /km (at20°C)
Electric capacitance	68.0 PF/m
Characteristic impedance	70 Ω
Release date	07/05/2007
Packing	50m spool