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QED XT25 Pre-Terminated Speaker Cable 3m



Šifra: 18740
Kategorija prozivoda: Hi-Fi Analogni kablovi
Proizvođač: QED

Cena: 194,00 KM

Cross-Sectional Area	25 mm2
Wire Gauge	14 AWG
Jacket Outside Diameter	3.96 mm
Loop Resistance	13.4 mΩ/m
Capacitance	35.0 pF/m
Loop Inductance	0.52 µH/m
Dissipation Factor	@ 10 kHz 0.0001
Conductors	10 x 19/0.13 mm
Insulation	LDPE jacket with 100% coverage of Aluminium Mylar tape wrap
Plugs and Spades	QED Airloc™ Forte banana plugs

X-TUBE™
This “proximity effect” has a detrimental influence on current distribution in a speaker cable even if it utilises X-Tube™ Technology. With XT25 we tackle the proximity effect and the skin effect by combining our existing Aircore™ and X-Tube™ Technologies into a new X-Tube™ variation. By forming the conductors into a tube-like shape with a hollow centre, current densities at higher frequencies are maintained because the electric field which contributes towards the skin effect acts towards the centre of the conductor from where the conductive material has been removed. At the same time instead of using a braided structure a ring of conductors is formed into separate bundles with only a loose electrical association which are then twisted into a 90 mm lay so that no single conductor bundle

remains on the inside or outside of the cable (and therefore prey to the proximity effect) for long enough for it to become an audible problem. This geometry promotes a more consistent signal distribution making for a more accurate musical reproduction.

Low DC Resistance
At QED we recognise that low d.c. resistance of the loudspeaker cable is of paramount importance for high-fidelity signal transfer. This is because the speaker presents a frequency dependent load to the amplifier of which the cable forms a variable proportion. If resistance is allowed to be too large then audible changes to the frequency response characteristics of the loudspeaker will be introduced which cannot be corrected for by the amplifier's negative feedback loop. In order to provide a marked improvement over similarly priced cables in both our own and our competitors' ranges without increasing the overall size and flexibility of the cable substantially, the cross-sectional area (CSA) of XT25 has been enlarged to 2.5mm2 of 99.999% oxygen-free copper. This instantly gives the new cable a low d.c. resistance and therefore a more accurate musical delivery.

Low-Loss Dielectric
It is not generally appreciated that the electrical signals moving at or near the speed of light in a wire do so via the medium of electromagnetic (EM) waveforms which exist within the dielectric which surrounds the conductors as well as within the conductors themselves. The movement of electrons along the conductor merely facilitates generation of the EM waveform as their "drift velocity" is only a few centimetres per second. It is therefore important to ensure that the dielectric material used to insulate and protect the central conductors of the speaker cable is of a type which "permits" the establishment of EM waveforms without appreciable loss. Dielectric losses are directly proportional to the "permittivity" of the material used and as this a measure of each material relative to that in a vacuum it should be as close to unity as possible. Like its predecessors, XT25 uses a specially formulated low-density polyethylene (LDPE) dielectric which at 1.69 has the lowest relative permittivity practically available.

QED research has shown that low capacitance cables are generally preferred in listening tests over high capacitance counterparts and this is usually because low-loss dielectrics have been utilised. The use of LDPE and careful control of conductor spacing results in a cable with a very low capacitance per meter and a dissipation factor (loss tangent) of 0.0001 at 10 kHz.

Cene su informativnog karaktera. Prodavac ne odgovara za tačnost cena iskazanih na sajtu, zadržava pravo izmena cena. Ponudu za ostale artikle, informacije o stanju lagera i aktuelnim cenama možete dobiti na upit. Plaćanje se isključivo vrši virmanski - bezgotovinski.