



充實型家用/工程兩用線

針對較高要求的用戶所設計的音箱線,使用對絞技術,與充實型外被,適合家用安裝,與需要實相的工程甚至流動演出客戶使用!

 計有: ● 紅黑內蕊對絞,灰色不透明外被 ● 藍/透明內蕊對絞+透明外被
● 粉紅/透明內蕊對絞+透明外被 ● 綠/透明內蕊對絞+透明外被 四種

Filled type household/engineering dual-purpose cable
This speaker cable is designed for the user who aimed at higher requirement. It is using twisted-pair technology and filled type cable jacket.
Suitable for home installation and the user who required nice-looking cable on engineer and even for mobile performance!
There are four types!


INFO 專業知識

如何驗證導體是否足量?

眾所周知,圓面積公式 $S = \pi r^2$ - 所以我們可以由此計算線導體截面積以3070700001為例: 是7x23條0.16的銅絲
所以0.16的半徑為0.08代入公式 $S = \pi r^2$ $S = 3.14 \times 0.08^2 = 0.020096$
再乘以總銅絲數7x23條 $0.020096 \times 7 \times 23 = 3.235 \text{mm}^2$
便能確定足否標示正確

How to verify whether the conductor enough?

As we all know, the circle area formula is $S = \pi r^2$, so we can calculate the cable conductor cross-sectional area.
Such as 3070700001, it has 7x23pcs. OD 0.16mm copper wire
So the radius of 0.16 being 0.08 drawn into formula $S = \pi r^2$
Then multiplied by the total wire number 7x23pcs.
 $0.020096 \times 7 \times 23 = 3.235 \text{mm}^2$

Thus to determine whether the description correct or not

 By πr^2 check your wire!


MAIN CONDUCTOR		ITEM NO. 型號 CONDUCTOR 導體構成/JACKET TYPE				CONDUCTOR 導體構成	O.D. (mm)	Cond D.C.R. ohm/1KM 導體電阻/1KM	Nom.Cap.(pF)/m between conductors. 導體間電容量	其他共通特性
AWG 美規導體 直徑	mm ² 主要導體 直徑	OFC/TC BLUE/TRANS(藍/透明) TRANSPARENT PVC	OFC/TC PINK/TRANS(粉紅/透明) TRANSPARENT PVC	OFC/TC GREEN/TRANS(綠/透明) TRANSPARENT PVC	OFC/TC BLACK/RED(黑/灰) GRAY JACKET					
4.0		3070700197	307070197F	307070197H	307070197N	3*26.025mm	10.0	4.31	196.02	Voltage Breakdown 絕緣承受電壓
12	3.235	3070700188	307070188F	307070188H	307070188N	65.0254mm	9.0	5.43	195.82	30V OR BETTER
2.5		3070700172	307070172F	307070172H	307070172N	50.0254mm	8.2	7.5	176.8	MECHANICAL PERFORMANCE 機械性能
14	2.11	3070700189	307070189F	307070189H	307070189N	41.0254mm	8.0	8.62	161.84	Flex Life load 500g +/-30° 搖晃壽命負載 500g 角度 +/- 30°
1.5		3070700173	307070173F	307070173H	307070173N	30.0254mm	7.2	12.5	142.06	---
16	1.306	3070700198	307070198F	307070198H	307070198N	65.016mm	7.0	13.7	130.62	Tensile Strength 26°C, 65%RH拉伸斷裂力量
18	0.824	3070700199	307070199F	307070199H	307070199N	41.016mm	6.0	21.8	113.67	---
20	0.522	3070700200	307070200F	307070200H	307070200N	26.016mm	5.5	34.6	80.49	Applicable Temperature 建議工作溫度
22	0.341	---	---	---	---	---	---	---	---	-20°C ~ +60°C (-4°F ~ +140°F)
24	0.221	---	---	---	---	---	---	---	---	Peak Temperature 極限工作溫度
26	0.14	---	---	---	---	---	---	---	---	-40°C ~ +70°C (-40°F ~ +158°F)

TWISTED



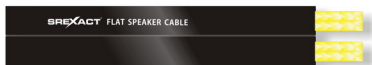
對於中空型喇叭線,有較為緊密的對絞絞距,可降低感應外部磁場與導體彼此間磁場的干擾!

有白色外被保護,適用於流動演出或配合家庭HI-FI較高要求的使用!

Twisted-pair with hollow-type speaker cable. Have a more compact twisted-pair distance.

Can reduce the interference of induced external magnetic field with magnetic field between the conductors.

With white cable jacket for protection. Suitable for mobile performance or meet family expecting higher requirement on HI-FI.



特別為了鑄設於特殊裝修環境所設計的音箱線,使用先編後押出的設計,加強了銅絲的抗拉力,

薄至2.5mm不到的厚度,讓您可以輕易的鑄設於地毯或穿牆門縫!特別適用於家庭HI-FI或是劇院之用!

Especially for the designed speaker cable of laying on a special decoration environment.

Using the design of firstly braided then extruded. To strengthen the tensile strength on copper wire.

The thickness is less than 2.5mm. So you can easily lay it on the carpet or through the door.

Especially suitable for HI-FI or home theater to use.



TWISTED SPEAKER CABLE 中空型喇叭線

AWG 美規導體 直徑	mm ² 主要導體 直徑	ITEM NO.型號	JACKET TYPE	CONDUCTOR 導體構成	O.D. (mm)	Cond D.C.R. ohm/1KM 導體電阻/1KM	Nom.Cap (pf/m) between conductors 導體間電容值
40	---	---	---	---	---	---	---
12	3.235	30700009	WH	65/0.254mm	9.5	5.43	143.09
	25	30700148	WH	50/0.254mm	8.7	7.5	131.2
14	2.11	30700010	WH	41/0.254mm	8.5	8.62	123.5
	15	30700149	WH	30/0.254mm	7.8	12.5	113.2
16	1.306	30700011	WH	65/0.16mm	7.5	13.7	106.5
17	1.045	30700012	WH	52/0.16mm	7.0	17.2	101.2
18	0.824	30700013	WH	41/0.16mm	6.5	21.8	57.4
20	0.522	30700026	WH	26/0.16mm	6.0	34.6	49.1

其他共通特性

Voltage Breakdown 絕緣承受電壓

600V

MECHANICAL PERFORMANCE 機械性能

Flex Life load 500g +/-30° 搖晃壽命負載 500g 角度 +/-30°

Tensile Strength (25°C, 65%RH) 拉伸斷裂力量

Applicable Temperature 建議工作溫度

-20°C - +60°C (-4°F - +140°F)

Peak Temperature 極限工作溫度

-40°C - +70°C (-40°F - +158°F)

FLAT SPEAKER CABLE 地毯型喇叭線

AWG 美規導體 直徑	mm ² 主要導體 直徑	TC/BC BD ITEM NO.型號	JACKET TYPE	BC/BC BD ITEM NO.型號	JACKET TYPE	CONDUCTOR 導體構成	O.D. (mm)	Cond D.C.R. ohm/1KM 導體電阻/1KM	Nom.Cap (pf/m) between conductors 導體間電容值
---	---	---	---	---	---	---	---	---	---
13	2.89	---	TRANS	307071870	BK	16*9/0.16mm	2.7*18	7.18	---
14	1.929	3070700190	TRANS	307071700	BK	16*6/0.16mm	27*11.5	12.8	---
17	1.085	---	TRANS	307071880	BK	16*6/0.12mm	2.7*10	22.7	---

其他共通特性

Voltage Breakdown 絕緣承受電壓

600V

MECHANICAL PERFORMANCE 機械性能

Flex Life load 500g +/-30° 搖晃壽命負載 500g 角度 +/-30°

Tensile Strength (25°C, 65%RH) 拉伸斷裂力量

Applicable Temperature 建議工作溫度

-20°C - +60°C (-4°F - +140°F)

Peak Temperature 極限工作溫度

-40°C - +70°C (-40°F - +158°F)



LSZH (Low smoke zero halogen) 低煙無鹵線纜在建築物中是較好的選擇；而且在某些地區被強制採用了！能確保在火災發生時外皮被燒燬後，不易產生煙霧；有助於逃生！無鹵素的材料則保證了燃燒氣體，是不含有劇毒的氟、氯等氣體！

LSZH (Low smoke zero halogen) Low smoke zero halogen cable in building is the better choice And in some areas it's forced to be used!

To ensure once fire occurred and after the cable jacket burned. Not easily to produce smoke; helpful to flee. Halogen-free material is to ensure that the combustion gas doesn't contain high toxic fluorine, chlorine and other gases.



工程用屏蔽喇叭線 Shielded speaker cable for installation

100V 高壓廣播系統用喇叭線，此系列喇叭線常用於固定安裝，由於布放於天花板上，與周邊燈具/空調之較高電壓一併布放，所以需要屏蔽層的設計！此外由於高壓廣播，電流小，所以線徑被降低至 18~20AWG！

Speaker cable for 100V high-voltage broadcasting system. This series speaker cable is usually used in the fixed installation. As laying on ceiling. With the surrounding lighting / air conditioning higher voltage together. So it's necessary to have shield design. Furthermore, since high-voltage ratio & small current, so diameter is reduced to 18~20AWG!

LSZH 低煙無鹵							
AWG 美規導體 直徑	mm ² 主要導體	ITEM NO. 型號	JACKET TYPE	CONDUCTOR 導體構成	O.D. (mm)	Cond D.C.R. ohm/1KM 導體電阻/1KM	Nom Cap (pF/m) between conductors. 導體間電容
14	2.11	3070710015	BK	41/0.254mm	8.0	8.62	123.5
	1.5	3070710147	BK	30/0.254mm	7.5	12.5	113.2
16	1.306	3070710016	BK	65/0.16mm	7.0	13.7	106.5
18	0.824	3070710018	BK	41/0.16mm	6.0	21.8	57.4
20	0.522	3070710024	BK	26/0.16mm	5.5	34.6	49.1

其他共通特性

Voltage Breakdown 絕緣承受電壓

Must withstand at DC 500V/15sec

MECHANICAL PERFORMANCE 機械性能

Flex Life load 500g +/-30° 搖晃壽命負載 500g 角度 +/-30°	ONLY FOR INSTALLATION
Tensile Strength (26°C, 65%RH) 拉伸斷裂力	ONLY FOR INSTALLATION
Applicable Temperature 建議工作溫度	-20°C~ +60°C(-4°F~ +140°F)
Peak Temperature 極限工作溫度	-40°C~ +70°C(-40°F~ +158°F)

100V 工程用屏蔽喇叭線							
AWG 美規導體 直徑	mm ² 主要導體	TC/BC BD ITEM NO. 型號	JACKET TYPE	CONDUCTOR 導體構成	O.D. (mm)	Cond D.C.R. ohm/1KM 導體電阻 /1KM	Nom Cap (pF/m) between conductors. 導體間電容
14	2.11	---	---	----	---	---	---
	1.5	3070700201	GREY	2*(30/0.254+PE)+DW7/0.16TC+AL-FOIL+GRAY PVC	7.2	12.5	84.93
16	1.306	3070700202	GREY	2*(65/0.16+PE)+DW7/0.16TC+AL-FOIL+GRAY PVC	7.0	13.7	80.53
18	0.824	3070701850	GREY	2*(41/0.16+PE)+DW7/0.16TC+AL-FOIL+GRAY PVC	6.0	21.8	73.75
20	0.522	3070701860	GREY	2*(26/0.16+PE)+DW7/0.16TC+AL-FOIL+GRAY PVC	5.5	34.6	61.07

其他共通特性

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