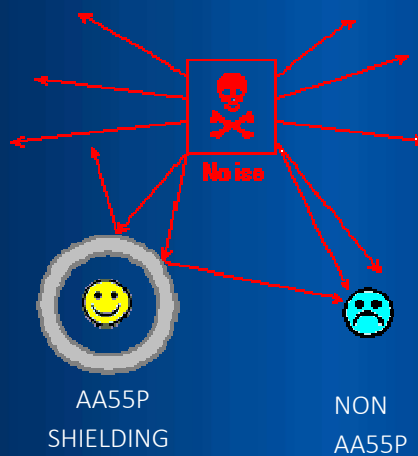


O-FLEX TUBE

AA55P

EMC SHIELDING

- EMC shielding
- Light weight
- Flexibility
- Thermal insulation
- Heat retention
- Weather resistance



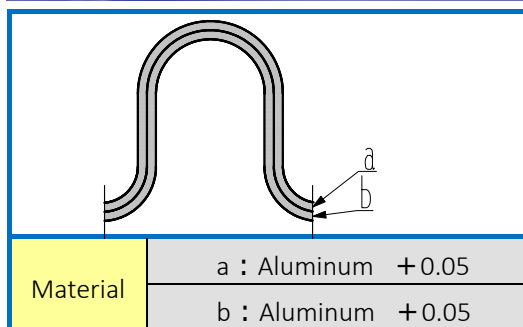
OHTSUKA



It is a tube that combines weather resistance, heat insulation, and flexibility.
(EMC shield countermeasure examination type)

I. Specification

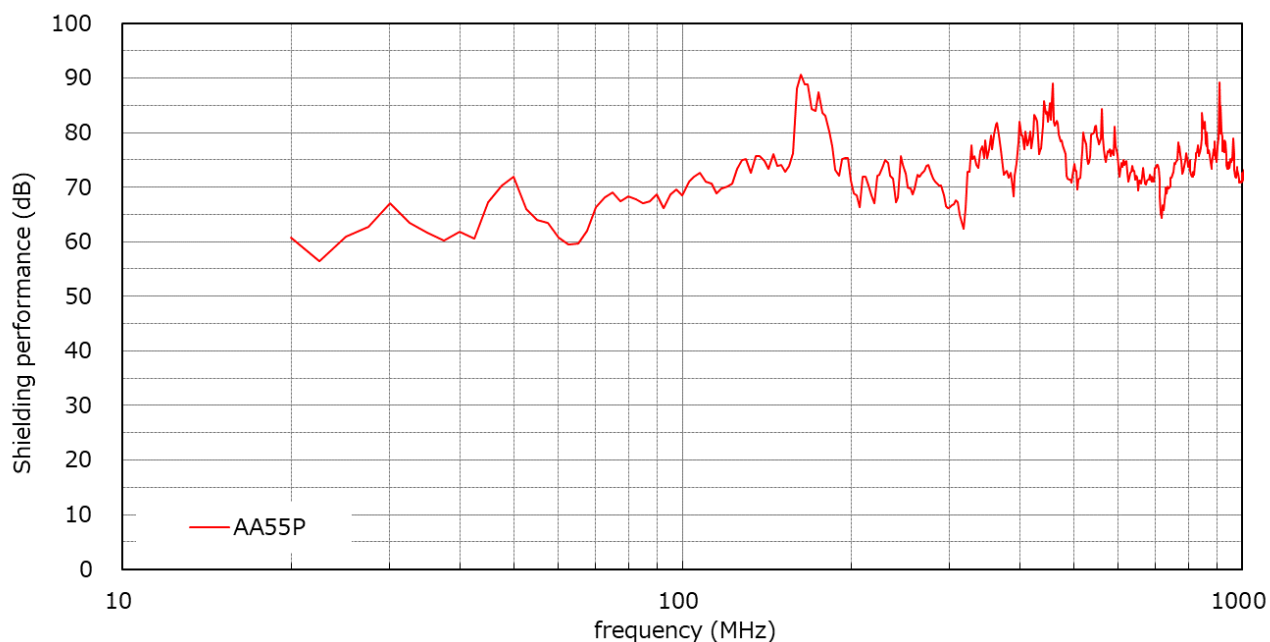
AA55P



- Normal temperature range : $-40^{\circ}\text{C} \sim 200^{\circ}\text{C}$
- Purpose: : Electromagnetic wave shield
Insulation cover
- Availability : $\Phi 16 \sim \Phi 76.2$
- Minimum bending radius : $2.0 \times D$
- Compressive strength : Over 150N
- Vibration resistance : Poor
- Thermal Insulation Rubber hose surface temperature

Temperature Of Heat Source	Hot Air		Radiant Heat	
	Uncovered	Covered with AA55P	Uncovered	Covered with AA55P
200°C	175°C	138°C	133°C	83°C
250°C	213°C	172°C	165°C	105°C

- Electromagnetic shielding performance : Average 73dB (Antenna reception 20MHz~1GHz)



(This data is a reference measurement value, not a guaranteed value.)

II. Characteristic

- It is lightweight and flexible.
- AA55P has highly conductive aluminum on the inner & outer layers, and can be used as an EMC shielding measure.
- AA55P has O-FLEX TUBE 's basic performance (heat resistance, vibration resistance, heat insulation etc.), and it can be used for both heat insulating cover and electromagnetic wave shield with one tube.
- Consolidating multiple cables into one TUBE contributes to reducing man-hours and costs.

III. Available size list

Inner diameter (d)	Outer diameter (D)
φ16	φ20.5
φ18	φ22.5
φ20	φ24.5
φ24	φ28.5
φ25.4	φ29.9
φ28	φ32.5
φ30	φ34.5
φ31	φ35.5
φ32	φ36.5

Inner diameter (d)	Outer diameter (D)
φ35	φ39.5
φ36	φ40.5
φ38	φ42.5
φ40	φ44.5
φ41	φ46
φ42	φ47
φ44.5	φ49.5
φ46	φ51
φ48	φ53

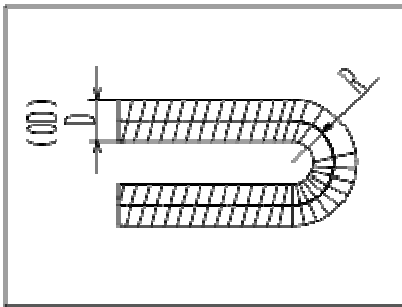
Inner diameter (d)	Outer diameter (D)
φ50.8	φ55.8
φ55	φ60
φ58	φ63
φ60	φ65
φ63.5	φ68.5
φ65	φ70
φ66	φ71
φ70	φ75
φ76.2	φ81.2

IV. Test method

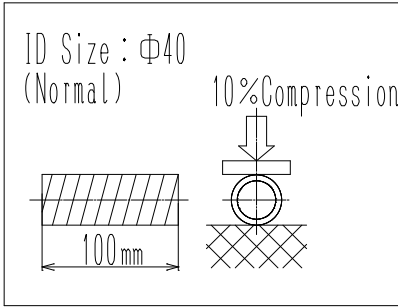
- The performance was confirmed by the following test method.

(The data is a guideline for selecting the type, it is not guaranteed value because it varies depending on size and condition.)

Minimum bending radius



Compressive strength



Electromagnetic shielding performance

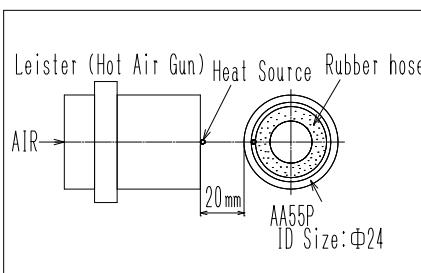
Antenna reception : 20MHz~1GH
(Maximum Leakage Measurement)

After evaluating the leakage radio waves from the power cable (1CT 5.5sq), measure the leakage radio waves when covered with AA55P φ21. Electromagnetic shielding performance is calculated from the difference between the two.

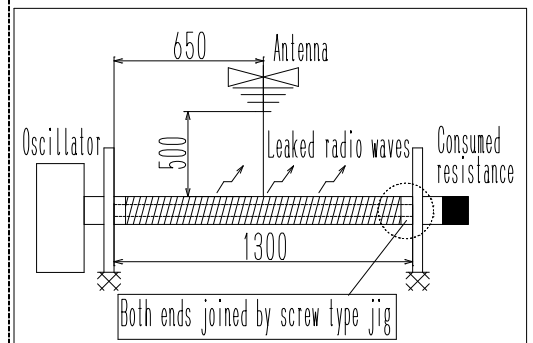
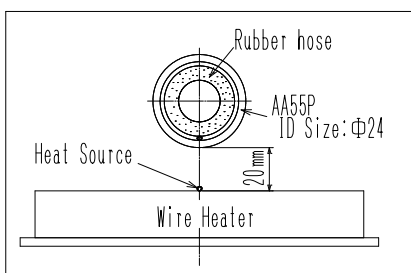
Thermal Insulation

Under the same heat source condition, we compared the surface temperature at rubber hose alone and the rubber hose surface temperature when covered with AA55P.

Hot Air Test

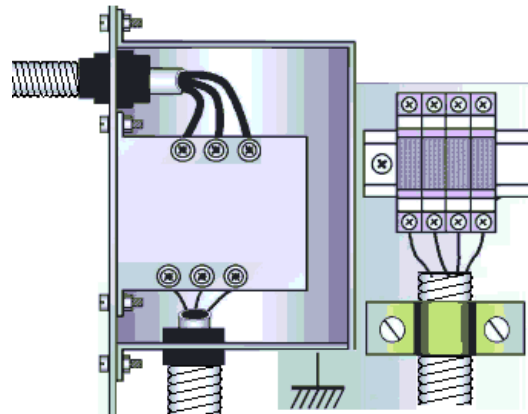


Radiant Heat Test



V. Attention point of installation

- Avoid extreme bending below the minimum bending radius, avoid places subject to a lot of vibration, and be careful not to damage or dent the product.
- In order to obtain a reliable electromagnetic wave shielding effect, please securely join or seal the end part to the metal part. (Insufficient joining may cause performance degradation.)
- Various bands, metal tapes, clamps etc. can be used for joining.



[Image of installation]



株式会社 **オーツカ**
OHTSUKA CO., LTD.

<http://www.ohtsuka-jpn.co.jp/>

Main Office : 1-7-19 Minamishinagawa, Shinagawa-ku, Tokyo 140-0004, Japan
TEL : +81-3-3472-0131 FAX : +81-3-3472-0160

Nagoya Branch : 4-51-3 Midorigaoka, Toyota-shi, Aichi 471-0838, Japan
TEL : +81-565-29-2281 FAX : +81-565-29-2283

Osaka Branch : 3-1-39 Kawamata, Higashi-Osaka-shi, Osaka 577-0063, Japan
TEL : +81-6-4307-5851 FAX : +81-6-4309-8158

Kyushu Branch : 2-6-1 Midorigahama, Shingu-machi, Kasuya-gun, Fukuoka 811-0119, Japan
TEL : +81-92-962-3661 FAX : +81-92-963-0051