



Wiring Duct

Ro Product in compliance with RoHS Directive

Material ● Rigid vinyl chloride (Self-extinguishing material rated 94V-0)

Color ● Gray

Length ● 2m

Designation Format ● KD-(Type)-(Length)-(Side Holes)
 Example: Type 26, length 2m, and H type side holes
 > KD-26-20-H

Type	23	53	N23	33	24	34
Cross Section						
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	15	50	20	30	40	55
Quantity (sets)	50	40	50	40	40	40

Type	44	64	74	26	36	46
Cross Section						
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	60	100	105	60	65	90
Quantity (sets)	40	20	20	40	30	30

Type	56	66	76	86	106	156
Cross Section						
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	110	130	150	190	240	310
Quantity (sets)	20	20	20	20	10	6

Type	67	87	137	28	38	48
Cross Section						
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	150	190	340	70	90	120
Quantity (sets)	16	16	6	24	24	18

Type	58	68	88	108	210	310
Cross Section						
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	160	200	260	320	100	110
Quantity (sets)	12	12	14	8	20	20

Type	410	610	810	1010	1510	1015
Cross Section						
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	160	240	270	340	510	510
Quantity (sets)	18	12	12	6	6	4

Physical Characteristics

Item	Unit	Standard Value
Specific gravity	JIS K-7112	— 1.47
Tensile strength	JIS K-7113	Mpa 35 or more
Elongation	JIS K-7113	% 100 or more
Charpy impact	JIS K-7111	KJ/m ² 8.8 or more
Flexibility temperature	JIS K-6745	°C 73±3
Rockwell hardness	JIS K-7202	— 112
Volume resistivity	ASTM D257	Ω·m >10 ¹³
Withstand voltage	JIS -C8430	KV/mm >40
Permittivity		PF/m 29
Specific		J/(kg·K) 1,200
Thermal expansion coefficient		7×10 ⁻⁵

UL Approved Component 94V-0 No.E139917

UL Approved Resin Used 94V-0 No.E171549

Positioning Devices-Component

See General Information for Positioning Devices-Component

KOWA KASEI CO LTD
SHIOIRI-CHO MIZUHO-KU NAGOYA-SHI
AICHI-KEN 467-0851, JAPAN

E139917

Plastic wiring ducts (channels), Cat. Nos. + KDCR-A, KDCR-B, KDCR-W. For use at temperatures not exceeding 50C.

Cat. Nos. + #KD-23, -N23, -24, -26, -28, -33, -34, -36, -38, -44, -46, -48, -53, -56, -58, -64, -66, -67, -68, -74, -76, -86, -87, -88, -106, -108, -137, -156, -210, -410, -610, -810, -1010, -1015, -1510. For use at temperatures not exceeding 50C.

+ - May be suffixed with one or two numbers denoting the product length in (mm).

- May be suffixed with one or two letters "LL, L, H or T" denoting the side slot opening (perforations) shape on the side walls.

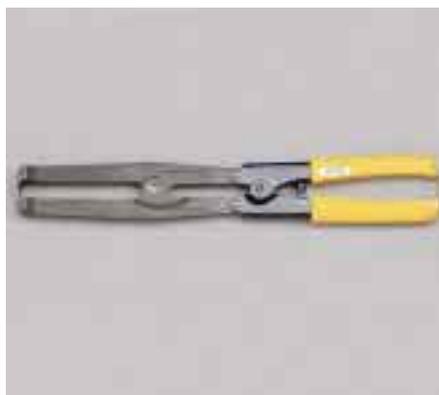
KD-310 submitted for UL approval

ECO wiring duct



*For more info, see EOC Wiring Duct (P.16).

Cutoff tool: Duct nippers



*For more info, see Duct Nippers (P.14).

Cutoff tool: Birdie cutter



*For more info, see Birdie Cutter (P.14).



ECO Wiring Duct

Ro Product in compliance with RoHS Directive

UL approved resin used (UL-94-0) Product registered with Japan Switchboard Industries Association
Type II Heat Resistance, Heat-resistant Duct KDE-26-64 submitted for approval

Material

- Modified PPE (Polyphenylether)

Passed Railway Vehicle Materials Fire Test (Certified level: Fire-retardant)

Features

- Made from non-halogen eco-friendly material.
- About 20% lighter than the conventional PVC duct.
- Provides better heat resistance than the conventional PVC duct.

Color

- Ivory

Length

- 2m

Designation Format

● KDE-(Type)-(Length)-(Side Holes)
Example: Type 88, length 2m, and side holes H type > KDE-88-20H

Type	KDE-23	KDE-24	KDE-44	KDE-64	KDE-26	KDE-36	KDE-46	KDE-66
Cross Section								
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	15	40	60	100	60	65	90	130
Quantity	10	10	10	10	10	10	10	10

Type	KDE-38	KDE-48	KDE-68	KDE-88	KDE-410	KDE-610	KDE-810	KDE-1010
Cross Section								
Length (mm)	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Wire Capacity(AWG14)	90	120	200	260	160	240	270	340
Quantity	10	10	10	10	10	10	10	6

Side Hole Specs (H type only)

Type	KDE-23	KDE-24·44·64	KDE-26·36·46·66	KDE-38·48·68·88	KDE-410·610·810·1010

Bottom Hole Specs

Type	KDE-23	KDE-24·44·26·36·46·38·48·410	KDE-64·66·68·88·610·810·1010

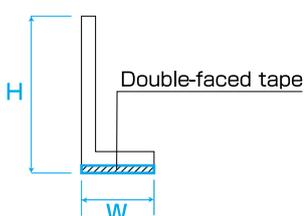
Physical Characteristics

Item	Unit	Testing Method	Requirements	Test Value
Physical Property	Specific gravity	ASTM D 792	23°C	1.08
Thermal Property	Deflection temperature under load	ASTM D 648	1.82MPa	90~100
	Flammability	UL94		VO
	Permittivity	F/m	ASTM D 150	23°C 50%RH 60Hz: 2.9 23°C 50%RH 10 ⁶ Hz: 2.9
Electrical Property	Volume resistivity	Ω·cm	ASTM D 257	23°C 50%RH: 10 ¹⁶
	Surface resistivity	Ω	ASTM D 257	23°C 50%RH: 10 ¹⁶
	Tensile strength	MPa	ASTM D 638	23°C 50%RH: 52~64
	Elongation (after fracture)	%	ASTM D 638	23°C 50%RH: 40~50
Mechanical Property	Bending strength	MPa	ASTM D 790	23°C 50%RH: 78~88
	Bend elastic constant	MPa	ASTM D 790	23°C 50%RH: 2.400
	Izod impact strength	J/m	ASTM D 256	23°C with 6.4mm notch: 127~147
	Rockwell hardness	R	ASTM D 795	R scale: 110

ECO Separator

UL Approved Resin Used (UL 94V-0)

Ro Product in compliance with RoHS Directive



■ Separator without side hole ■ H type separator with side hole

Type	W	H	Length	Type	W	H	Length
KDES-60	12	55	1,000	KDES-60	12	55	1,000
KDES-80	15	75		KDES-80	15	75	
KDES-100	15	95		KDES-100	15	95	

(Unit: mm)

*Standard product: Includes mounting hole and double-faced tape.
*Also available without mounting hole or tape upon request.

Material

- Rigid vinyl chloride (Self-extinguishing material rated 94V-0)

Color

- Ivory

Quantity

- 10 pieces