



498K-1320 SERIES EN-45545-2 Railway Cable



Fire protection on railway vehicles, hazard level HL1 - HL3. EN 45545

Vertical flame spread	$50 < L \leq 540 \text{ mm}$	EN 60332- 1- 2
Vertical flame spread, bunched, $D \leq 6 \text{ mm}$	$L \leq 1.5 \text{ m}$	EN 50305, 9.1.2
Vertical flame spread, bunched, $6 < D < 12 \text{ mm}$	$L \leq 2.5 \text{ m}$	EN 50305, 9.1.1 (EN 60332- 3- 25)
Vertical flame spread, bunched, $D \geq 12 \text{ mm}$	$L \leq 2.5 \text{ m}$	EN 60332- 3- 24
Smoke density	$T \geq 70 \%$	EN 61034- 2
Toxicity	$ITC \leq 6$	EN 50305, 9.2

Fire protection on railway vehicles, level of protection . 1 - 4 DIN 5510

Vertical flame spread	$50 < L \leq 540 \text{ mm}$	EN 60332- 1- 2
Vertical flame spread, bunched, $D \leq 6 \text{ mm}$	$L \leq 1.5 \text{ m}$	EN 50305, 9.1.2
Vertical flame spread, bunched, $6 < D < 12 \text{ mm}$	$L \leq 2.5 \text{ m}$	EN 60332- 3- 25
Vertical flame spread, bunched, $D \geq 12 \text{ mm}$	$L \leq 2.5 \text{ m}$	EN 60332- 3- 24
Smoke density	$T \geq 60 \%$	EN 61034- 2
Corrosivity of combustion gases	$\text{pH} \geq 4.3, C \leq 10 \text{ mS/mm}$	IEC 60754-2 (EN 50267- 2- 2)
Amount of halogen acid gas	$\text{HCl} \leq 0.5 \%$	IEC 60754-1 (EN 50267- 2- 1)
Content of fluorine	$\text{HF} \leq 0.1 \%$	EN 60684- 2, 45.2 (IEC 60684-2)
Toxicity	$ITC \leq 6$	EN 50305, 9.2



IEC 61034-2

TAYUKABEL®

TAYUKABEL® 498K-1320 系列產品 · 符合 EN 45545-2 軌道電纜規範

Bare Copper or Tinned Copper strand acc. to IEC 60228, EN 60228, VDE 0295, Class 5

【 Characteristic 電纜特性 】

Testing voltage 電纜線試驗電壓	U ₀ /U 450/750 V
Min. bending radius: 電纜線最小彎曲半徑	R ≥ 10D
Temperature range 電纜線額定耐溫	-40~125 °C (Optional)

【 Halogen-Free 不含鹵素 】

Amount of halogen acid gas 鹵酸氣體含量	HCl ≤ 0.5 % ,acc. to IEC 60754-1 (EN 50267- 2- 1)
Corrosivity of combustion gases 腐蝕性氣體	pH ≥ 4.3, C ≤ 10 mS/mm ,acc. to IEC 60754-2 (EN 50267-2-2)
Content of fluorine 氟化物含量	HF ≤ 0.1 % ,acc. to EN 60684- 2, 45.2 (IEC 60684-2)

【 Flame retardant and self-extinguishing 耐燃性 自熄性 】

Vertical flame spread	50 < L ≤ 540 mm ,acc. to IEC60332- 1- 2 / EN 60332- 1- 2
Vertical flame spread, bunched, D ≥ 6 mm	L ≤ 1.5 M ,acc. to IEC 60332- 1- 2 / EN 60332- 1- 2
Vertical flame spread, bunched, 6 < D < 12 mm	L ≤ 2.5 M ,acc. to IEC 60332- 3- 25 / EN 50305, 9.1.2
Vertical flame spread, bunched, D ≥ 12 mm	L ≤ 2.5 M ,acc. to IEC 60332- 3- 24 / EN 50305, 9.1.1

【 Toxicity Index 毒性指數 】

Toxicity Index test	ITC ≤ 6 ,acc. to EN 50305, 9.2
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【 Smoke density 低煙性 濃煙密度 】

Smoke density test	Transmittance ≥ 60 % ,acc. to IEC 61034- 2
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498K-1320 SERIES

TAYUKABEL WIRE · CABLE RAILWAY

498K-1320 SERIES

Hook up Wire



EN 45545-2



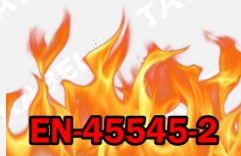
Part No.	Cond. Standard acc. to 758	Cores x AWG	Outer-Ø mm±5%
498K-132001008	~7 x 0.12mm/~16x0.08mm	1 x 28AWG	1.10 mm
498K-132001014	~7 x 0.16mm/~40x0.08mm	1 x 26AWG	1.30 mm
498K-132001022	~7 x 0.20mm/~70x0.08mm	1 x 24AWG	1.50 mm
498K-132001034	~7 x 0.254mm/~17 x 0.16mm	1 x 22AWG	1.80 mm
Part No.	Cond. acc. to IEC 60228 cl.5 / cl.6	Cores x mm ²	Outer-Ø mm±5%
498K-13200105	~ 16 x 0.20mm / ~28 x 0.15mm	1 x 0.5 mm ²	2.20 mm
498K-132001075	~ 24 x 0.20mm / ~42 x 0.15mm	1 x 0.75 mm ²	2.50 mm
498K-13200110	~ 32 x 0.20mm / ~56 x 0.15mm	1 x 1.0 mm ²	2.60 mm
498K-13200115	~ 30 x 0.25mm / ~84 x 0.15mm	1 x 1.5 mm ²	3.10 mm
498K-13200125	~ 50 x 0.25mm / ~140 x 0.15mm	1 x 2.5 mm ²	3.60 mm
498K-13200140	~ 56 x 0.30mm / ~224 x 0.15mm	1 x 4.0 mm ²	4.30 mm
498K-13200160	~ 84 x 0.30mm / ~192 x 0.20mm	1 x 6.0 mm ²	4.80 mm
498K-132001100	~ 80 x 0.40mm / ~320 x 0.20mm	1 x 10 mm ²	6.40 mm
498K-132001160	~ 128 x 0.40mm / ~512 x 0.20mm	1 x 16 mm ²	8.10 mm
498K-132001250	~ 200 x 0.40mm / ~800 x 0.20mm	1 x 25 mm ²	10.0 mm
498K-132001350	~ 280 x 0.40mm / ~1120 x 0.20mm	1 x 35 mm ²	11.20 mm
498K-132001500	~ 400 x 0.40mm / ~705 x 0.30mm	1 x 50 mm ²	12.70 mm

498K-1320 SERIES

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498K-1320 SERIES

Cables



EN
45545-2



Part No.	Cond. acc. to IEC 60228 cl.5 / cl.6	Cores x mm ²	Outer-Ø mm±5%
498K-13200225	~ 14 x 0.15mm / ~32 x 0.10mm	2 x 0.25mm ²	4.00 mm
498K-13200325	~ 14 x 0.15mm / ~32 x 0.10mm	3 x 0.25mm ²	4.20 mm
498K-13200425	~ 14 x 0.15mm / ~32 x 0.10mm	4 x 0.25mm ²	4.50 mm
498K-13200525	~ 14 x 0.15mm / ~32 x 0.10mm	5 x 0.25mm ²	5.00 mm
498K-13200725	~ 14 x 0.15mm / ~32 x 0.10mm	7 x 0.25mm ²	5.40 mm
498K-13200825	~ 14 x 0.15mm / ~32 x 0.10mm	8 x 0.25mm ²	6.20 mm
498K-13201025	~ 14 x 0.15mm / ~32 x 0.10mm	10 x 0.25mm ²	6.60 mm
498K-13201225	~ 14 x 0.15mm / ~32 x 0.10mm	12 x 0.25mm ²	6.90 mm
498K-13201425	~ 14 x 0.15mm / ~32 x 0.10mm	14 x 0.25mm ²	7.20 mm
498K-13201625	~ 14 x 0.15mm / ~32 x 0.10mm	16 x 0.25mm ²	7.50 mm
498K-13201825	~ 14 x 0.15mm / ~32 x 0.10mm	18 x 0.25mm ²	7.90 mm
498K-13202125	~ 14 x 0.15mm / ~32 x 0.10mm	21 x 0.25mm ²	8.90 mm
498K-13202425	~ 14 x 0.15mm / ~32 x 0.10mm	24 x 0.25mm ²	9.40 mm
498K-13202725	~ 14 x 0.15mm / ~32 x 0.10mm	27 x 0.25mm ²	9.60 mm
498K-13203025	~ 14 x 0.15mm / ~32 x 0.10mm	30 x 0.25mm ²	9.90 mm
498K-13203225	~ 14 x 0.15mm / ~32 x 0.10mm	32 x 0.25mm ²	10.2 mm
498K-13203625	~ 14 x 0.15mm / ~32 x 0.10mm	36 x 0.25mm ²	10.8 mm
498K-13204025	~ 14 x 0.15mm / ~32 x 0.10mm	40 x 0.25mm ²	11.4 mm
498K-13204425	~ 14 x 0.15mm / ~32 x 0.10mm	44 x 0.25mm ²	11.9 mm
498K-13205025	~ 14 x 0.15mm / ~32 x 0.10mm	50 x 0.25mm ²	12.8 mm
498K-13205225	~ 14 x 0.15mm / ~32 x 0.10mm	52 x 0.25mm ²	12.8 mm
498K-13206125	~ 14 x 0.15mm / ~32 x 0.10mm	61 x 0.25mm ²	13.5 mm

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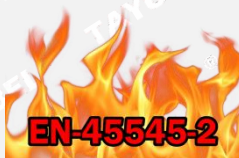
Part No.	Cond. acc. to IEC 60228 cl.5 / cl.6	Cores x mm ²	Outer-Ø mm±5%
498K-13200234	~ 19 x 0.15mm / ~42 x 0.10mm	2 x 0.34mm ²	4.60 mm
498K-13200334	~ 19 x 0.15mm / ~42 x 0.10mm	3 x 0.34mm ²	5.00 mm
498K-13200434	~ 19 x 0.15mm / ~42 x 0.10mm	4 x 0.34mm ²	5.40 mm
498K-13200534	~ 19 x 0.15mm / ~42 x 0.10mm	5 x 0.34mm ²	5.80 mm
498K-13200734	~ 19 x 0.15mm / ~42 x 0.10mm	7 x 0.34mm ²	6.50 mm
498K-13200834	~ 19 x 0.15mm / ~42 x 0.10mm	8 x 0.34mm ²	7.30 mm
498K-13201034	~ 19 x 0.15mm / ~42 x 0.10mm	10 x 0.34mm ²	7.90 mm
498K-13201234	~ 19 x 0.15mm / ~42 x 0.10mm	12 x 0.34mm ²	8.10 mm
498K-13201434	~ 19 x 0.15mm / ~42 x 0.10mm	14 x 0.34mm ²	8.90 mm
498K-13201634	~ 19 x 0.15mm / ~42 x 0.10mm	16 x 0.34mm ²	9.30 mm
498K-13201834	~ 19 x 0.15mm / ~42 x 0.10mm	18 x 0.34mm ²	9.80 mm
498K-13202134	~ 19 x 0.15mm / ~42 x 0.10mm	21 x 0.34mm ²	10.80 mm
498K-13202434	~ 19 x 0.15mm / ~42 x 0.10mm	24 x 0.34mm ²	11.40 mm
498K-13202734	~ 19 x 0.15mm / ~42 x 0.10mm	27 x 0.34mm ²	11.60 mm

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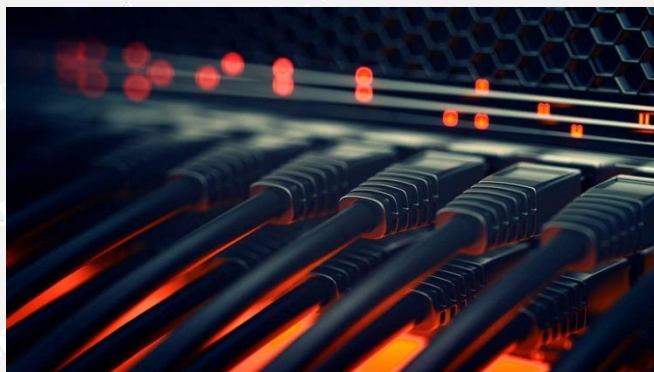
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498K-1320 SERIES

Ethernet Lan Cable



EN 45545-2



Part No.	ETHERNET TYPE		Cores x AWG	Outer-Ø mm±5%
498K-1320C524SF	TAYUKABEL®	CAT.5E SF/UTP	4 x 2 x 24 AWG	6.80 mm
498K-1320C526SF	TAYUKABEL®	CAT.5E SF/UTP	4 x 2 x 26 AWG	6.50 mm
498K-1320C624SF	TAYUKABEL®	CAT.6 SF/UTP	4 x 2 x 24 AWG	7.50 mm
498K-1320C626SF	TAYUKABEL®	CAT.6 SF/UTP	4 x 2 x 26 AWG	7.30 mm
498K-1320C6A23SF	TAYUKABEL®	CAT.6A S/FTP	4 x 2 x 23 AWG	8.00 mm
498K-1320C723SF	TAYUKABEL®	CAT. 7 S/FTP	4 x 2 x 23 AWG	8.20 mm
498K-1320C722SF	TAYUKABEL®	CAT. 7 S/FTP POE ⁺	4 x 2 x 22 AWG	9.00 mm

498K-1320 SERIES®

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498K-1320 SERIES

HDMI Cable

4K
ULTRA HD

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



HDMI Grade	HDMI TYPE	Cores xAWG	Outer-Ø mm± 5%
HDMI 1.4 version	TAYUKABEL® Standard HDMI Cable	28AWGx5P+30AWGx4C	7.00 mm
HDMI 1.4 version	TAYUKABEL® Standard HDMI Cable	30AWGx5P+30AWGx4C	6.20 mm
HDMI 1.4 version	TAYUKABEL® Standard HDMI Cable	32AWGx5P+32AWGx4C	5.50 mm
HDMI 2.0 version	TAYUKABEL® Premium HDMI Cable	24AWGx5P+26AWGx4C	7.80 mm
HDMI 2.0 version	TAYUKABEL® Premium HDMI Cable	24AWGx5P+28AWGx4C	7.50 mm
HDMI 2.0 version	TAYUKABEL® Premium HDMI Cable	30AWGx5P+30AWGx4C	6.00 mm
HDMI 2.1 version	TAYUKABEL® Ultra High Speed HDMI Cable	#28x3C+#24x4C+OM3*4C	5.50 mm
HDMI 2.1 version	TAYUKABEL® Ultra High Speed HDMI Cable	#28x3C+#26x4C+OM3*4C	5.00 mm

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USB 3.0 Cable



Part No.	USB TYPE	Cores x AWG	Outer-Ø mm± 5%
498K-1320USB3.0G1	TAYUKABEL® USB 3.0 Gen 1	28AWGx2P+28AWGx2C+24AWGx2C	5.20 mm
498K-1320USB3.0G2	TAYUKABEL® USB 3.0 Gen 2	26AWGx2P+28AWGx2C+24AWGx2C	5.50 mm
498K-1320USB3.1G1	TAYUKABEL® USB 3.1 Gen 1	26AWGx2P+26AWGx2C+24AWGx2C	5.50 mm
498K-1320USB3.1G2	TAYUKABEL® USB 3.1 Gen 2	24AWGx2P+26AWGx2C+24AWGx2C	5.80 mm

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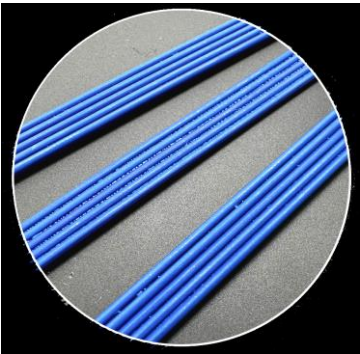
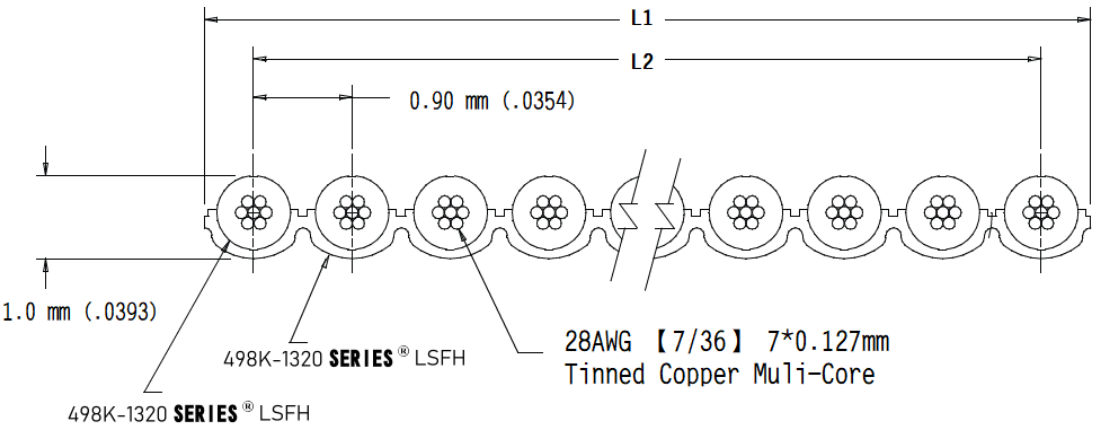
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498K-1320 SERIES

Flat Ribbon Cable



Part No.	Cond. Structure acc .to UL 758	Cores x AWG	Outer-Ø mm± 5%
498K-1320RW151/09	28AWG 【7/36】 7*0.127mm	28AWG x 9F	5.20 mm
498K-1320RW151/10	28AWG 【7/36】 7*0.127mm	28AWG x 10F	5.50 mm
498K-1320RW151/14	28AWG 【7/36】 7*0.127mm	28AWG x 14F	5.50 mm
498K-1320RW151/15	28AWG 【7/36】 7*0.127mm	28AWG x 15F	5.80 mm
498K-1320RW151/16	28AWG 【7/36】 7*0.127mm	28AWG x 16F	5.80 mm
498K-1320RW151/18	28AWG 【7/36】 7*0.127mm	28AWG x 18F	5.80 mm
498K-1320RW151/20	28AWG 【7/36】 7*0.127mm	28AWG x 20F	5.80 mm



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