

50 Ohm coaxial cable RG214 TY PVC (MIL TYPE)

RG214TYPV5 / RG214TYPVK, 04.04.2022/AP rev.0



Description



Store at: -0 to +60 °C

Install at: 0 to +50 °C, **Bend minimum:** 10xO.D.

Operate at: -30 to +70 °C, **Bend minimum:** 10xO.D.

Design

Conductor : bare copper 7×0.75mm

Dielectric : low density polyethylene nominal Ø 7.25mm

Screen 1 : silvered copper wire braid (cov. 81%)

Screen 2 : silvered copper wire braid (cov. 85%)

Outer jacket : black PVC material

Marking : APS Finland – ww/yy – M17/75-RG214 RG 214 TY 50 Ohm MADE IN ITALY CE EN 50575:2014 + A1:2016 Eca

Environmental properties and Fire Performances

CPR Class : Eca (EN 50575:2014 + A1:2016)

Electrical characteristics

Impedance : 50 ± 3 Ω
Capacitance : 100pF/m nominal
Velocity ratio : 66%
Resistance, inner conductor : 6.0 Ω/Km
Resistance, outer conductor : 4.3 Ω/Km
Spark tension of the sheath : 6.0 kV

Attenuation (typical)

	MHz	5	10	30	50	150	220	450	600	800	900	1000	1500	1800	2000	2500	3000	5200	5800
Attenuation	dB	1.3	1.9	3.5	4.5	8.6	10.6	15.6	18.1	21.6	23.1	24.7	32.2	36.3	38.9	45.5	52.2	81.3	88.5
Max power rating	W	2828	2000	1155	894	516	426	298	258	224	211	200	163	149	141	126	115	88	83

Return Loss (IEC61196-1-113)

MHz	30 ÷ 450	450 ÷ 1000	1000 ÷ 2000	2000 ÷ 3000	3000 ÷ 4000	4000 ÷ 5800
dB	>22	>20	>19	>19	>18	>17

Ordering and delivery information

Type	P/N	O.D [mm]	Weight [kg/km]	Retail packaging	Bulk packaging	GTIN	Sähkönumero
RG214 TY PVC	RG214TYPV5	10.8	184.3	500m (+/-5%) 60 x 60 x 30 cm G.W. 99.15 kg	3000m (+/-5%) 120 x 80 x 100h cm G.W. 567.90 kg	6410002331226	02 331 22
RG214 TY PVC	RG214TYPVK	10.8	184.3	1000m (+/-5%) 75 x 75 x 42 cm G.W. 191.30 kg	3000m (+/-5%) 120 x 80 x 100h cm G.W. 567.90 kg	6410002331219	02 331 21

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