

Wiring distance chart for PE, PVC and CAT-5e cable

Wiring distance mentioned in GT specification is based on wiring by PE cable.
Following chart is to show the distance in case of wiring by PVC and CAT-5E cable.

PE cable

	Cable diameter		
	0.65mm	0.8mm	1.0mm
GT-BC~Distribution point (R1R2)	3m	5m	5m
Entrance station~ point (R1R2)	150m	300m	300m
Entrance station~GT-VBC (B1B2)	150m	300m	300m
GT-MK~Distribution point (R1R2)	150m	300m	300m
Distribution point~Room station (R1R2)	150m	300m	300m
GT-VBC~Room station (B1B2)	100m	150m	150m
GT-VBC (STD)~GT-VBC (EXP) (B1B2)	100m	150m	150m
GT-BC~Power supply	3m	5m	5m
GT-VBC~Power supply	3m	5m	5m
Entrance station~Power supply	150m	300m	300m
GT-MK~Power supply	150m	300m	300m
Entrance station~GT-2C(-L)	50m	100m	100m
GT-2C(-L)~GT-2H(-L)	50m	100m	100m
GT-2C(-L)~Power supply	25m	50m	75m
GT-2H(-L)~Power supply	50m	100m	150m
GT-BCX~Power supply	3m	5m	5m
GT-BCX~GT-BC	150m	300m	300m
GT-VBX~GT-VBC (B1B2)	100m	150m	150m
Entrance station~GT-BCX (R1R2)	150m	300m	300m
Entrance station~GT-VBX (B1B2)	150m	300m	300m
Total wiring distance for standard system (R1R2)	1.65km	2.5km	2.5km
Total wiring distance for each Common and Sub common (R1R2)	1.65km	2.5km	2.5km

PVQ cable (STY+ Digital5 -1P-)

	Cable diameter		
	0.5mm	0.8mm	1.0mm
GT-BC~Distribution point (R1R2)	2m	5m	5m
Entrance station~ point (R1R2)	100m	200m	200m
Entrance station~GT-VBC (B1B2)	100m	150m	150m
GT-MK~Distribution point (R1R2)	100m	200m	200m
Distribution point~Room station (R1R2)	100m	200m	200m
GT-VBC~Room station (B1B2)	100m	100m	100m
GT-VBC (STD)~GT-VBC (EXP) (B1B2)	100m	100m	100m
GT-BC~Power supply	2m	5m	5m
GT-VBC~Power supply	2m	5m	5m
Entrance station~Power supply	100m	200m	200m
GT-MK~Power supply	100m	200m	200m
Entrance station~GT-2C(-L)	30m	80m	80m
GT-2C(-L)~GT-2H(-L)	40m	80m	80m
GT-2C(-L)~Power supply	15m	40m	50m
GT-2H(-L)~Power supply	30m	80m	100m
GT-BCX~Power supply	2m	5m	5m
GT-BCX~GT-BC	100m	200m	200m
GT-VBX~GT-VBC (B1B2)	100m	150m	150m
Entrance station~GT-BCX (R1R2)	150m	150m	150m
Entrance station~GT-VBX (B1B2)	100m	200m	200m
Total wiring distance for standard system (R1R2)	1.65km	2km	2km
Total wiring distance for each Common and Sub common (R1R2)	1.65km	2km	2km

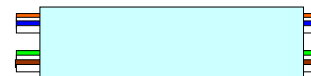
CAT-5e

	1P	2P	4P bundle
	φ 0.5 equivalent	φ 0.72 equivalent	φ 0.88 equivalent
GT-BC~Distribution point (R1R2)	—	4m	5m
Entrance station~ point (R1R2)	100m	200m	300m
Entrance station~GT-VBC (B1B2)	100m	200m	300m
GT-MK~Distribution point (R1R2)	100m	200m	300m
Distribution point~Room station (R1R2)	100m	200m	300m
GT-VBC~Room station (B1B2)	100m	150m	150m
GT-VBC (STD)~GT-VBC (EXP) (B1B2)	100m	150m	150m
GT-BC~Power supply	—	4m	5m
GT-VBC~Power supply	—	4m	5m
Entrance station~Power supply	100m	200m	300m
GT-MK~Power supply	100m	200m	300m
Entrance station~GT-2C(-L)	30m	70m	100m
GT-2C(-L)~GT-2H(-L)	40m	80m	100m
GT-2C(-L)~Power supply	15m	40m	50m
GT-2H(-L)~Power supply	30m	80m	100m
GT-BCX~Power supply	—	4m	5m
GT-BCX~GT-BC	100m	200m	300m
GT-VBX~GT-VBC (B1B2)	150m	150m	150m
Entrance station~GT-BCX (R1R2)	200m	300m	300m
Entrance station~GT-VBX (B1B2)	100m	200m	300m
Total wiring distance for standard system (R1R2)	1.65km	2km	2.5km
Total wiring distance for each Common and Sub common (R1R2)	1.65km	2km	2.5km

※If you bundle the cable, 1pair cable is bundled as 1 cable like following drawing.



2 pair bundles



4 pair bundles