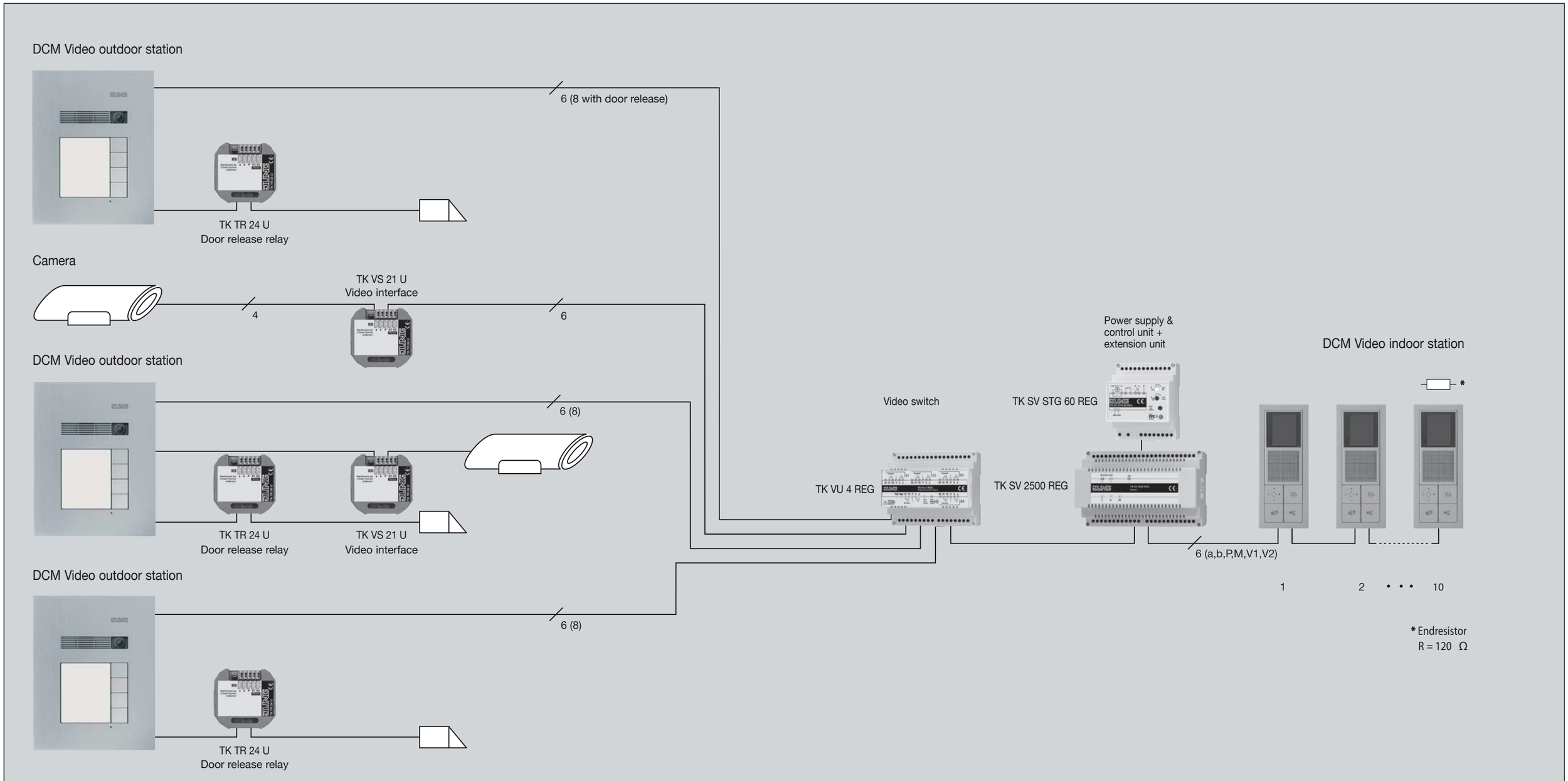
DCM examples for Video indoor station

The camera produces high quality images at a brightness value of min. 5 lux.
Areas below 5 lux shall be additionally illuminated.

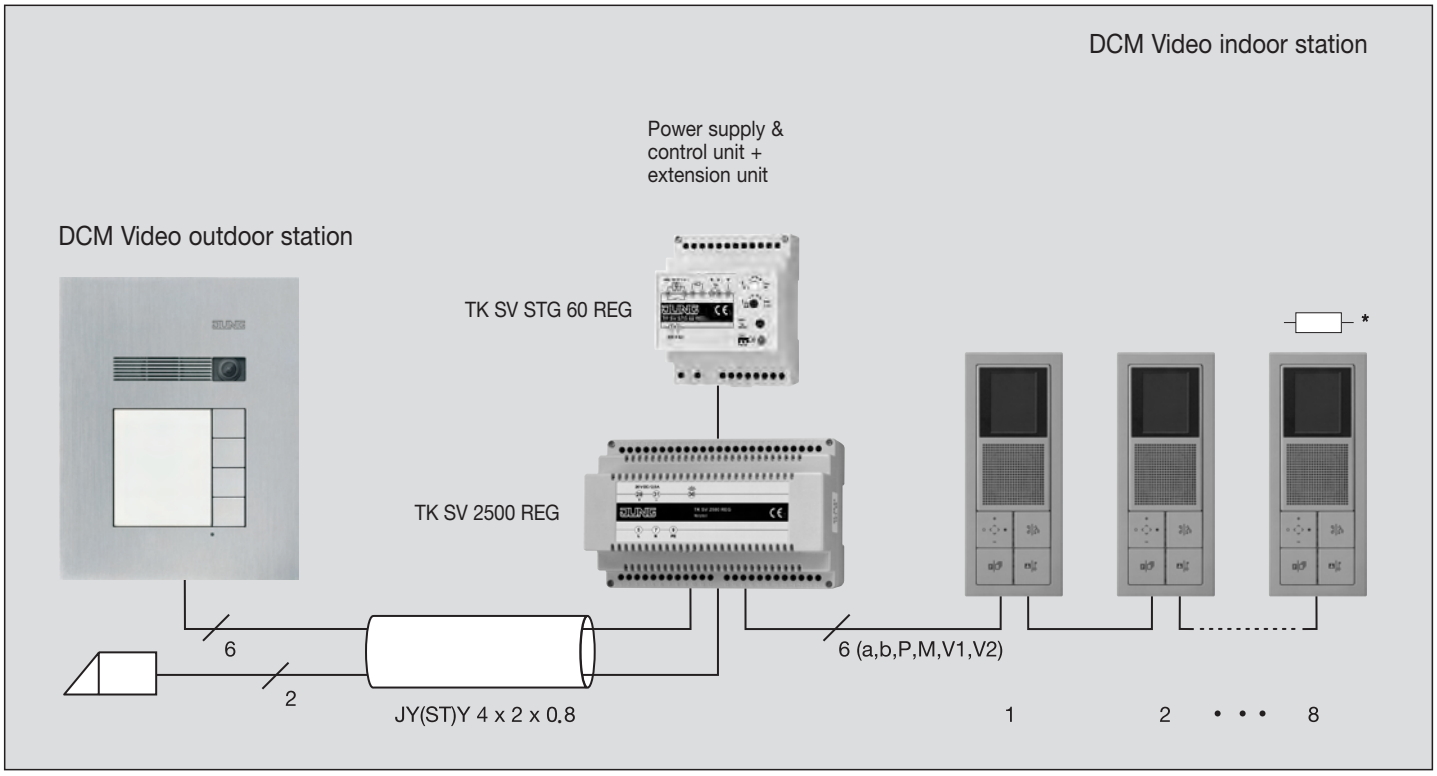
DCM video system with up to 2 x 10 indoor stations and 4 video outdoor stations in a 6-wire installation.
This illustrated example with video switch is the only admissible installation. .



DCM examples for Video indoor station

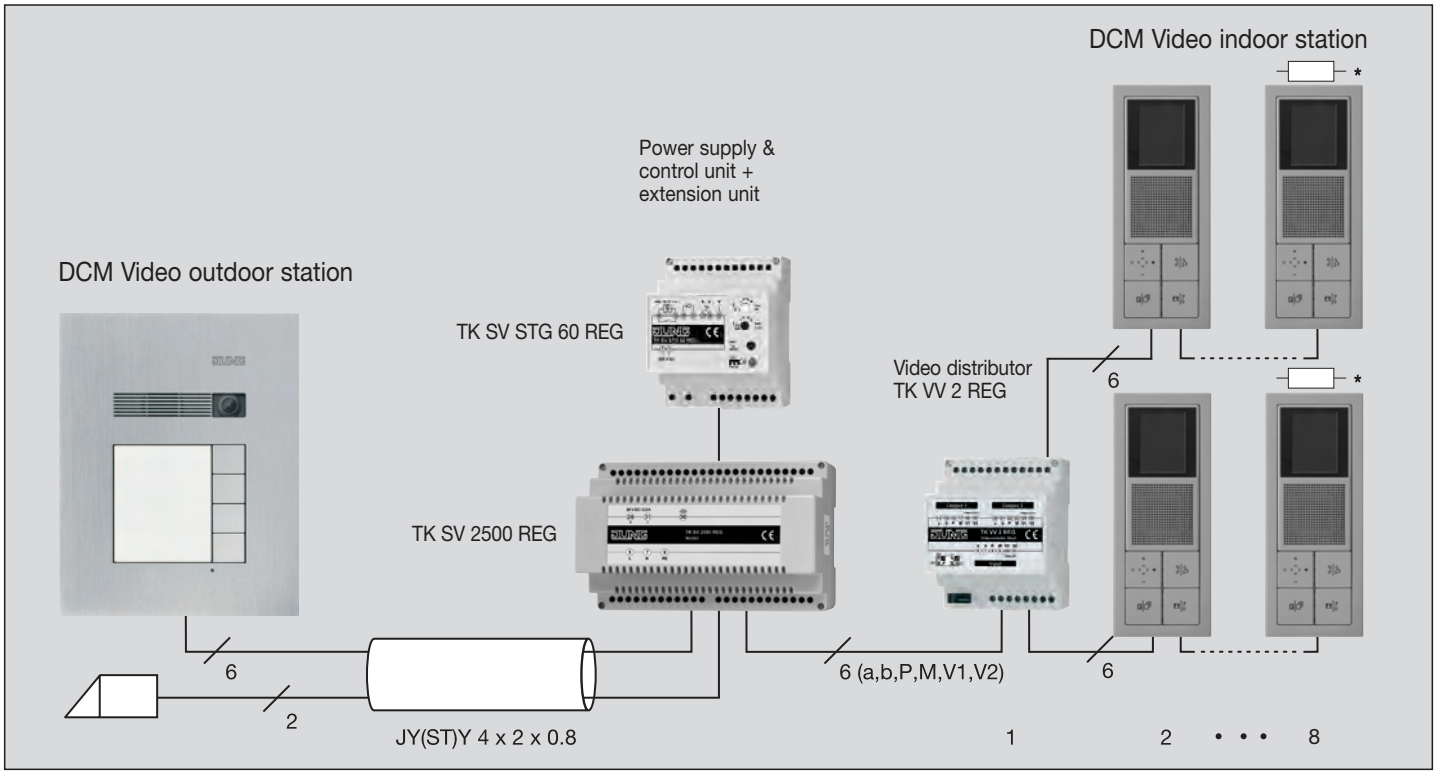
The camera produces high quality images at a brightness value of min. 5 lux.
Areas below 5 lux shall be additionally illuminated.

DCM video system with up to 2 x 8 indoor stations and 1 video outdoor stations in a 6-wire installation.
This illustrated example without video distributor is the only admissible installation.

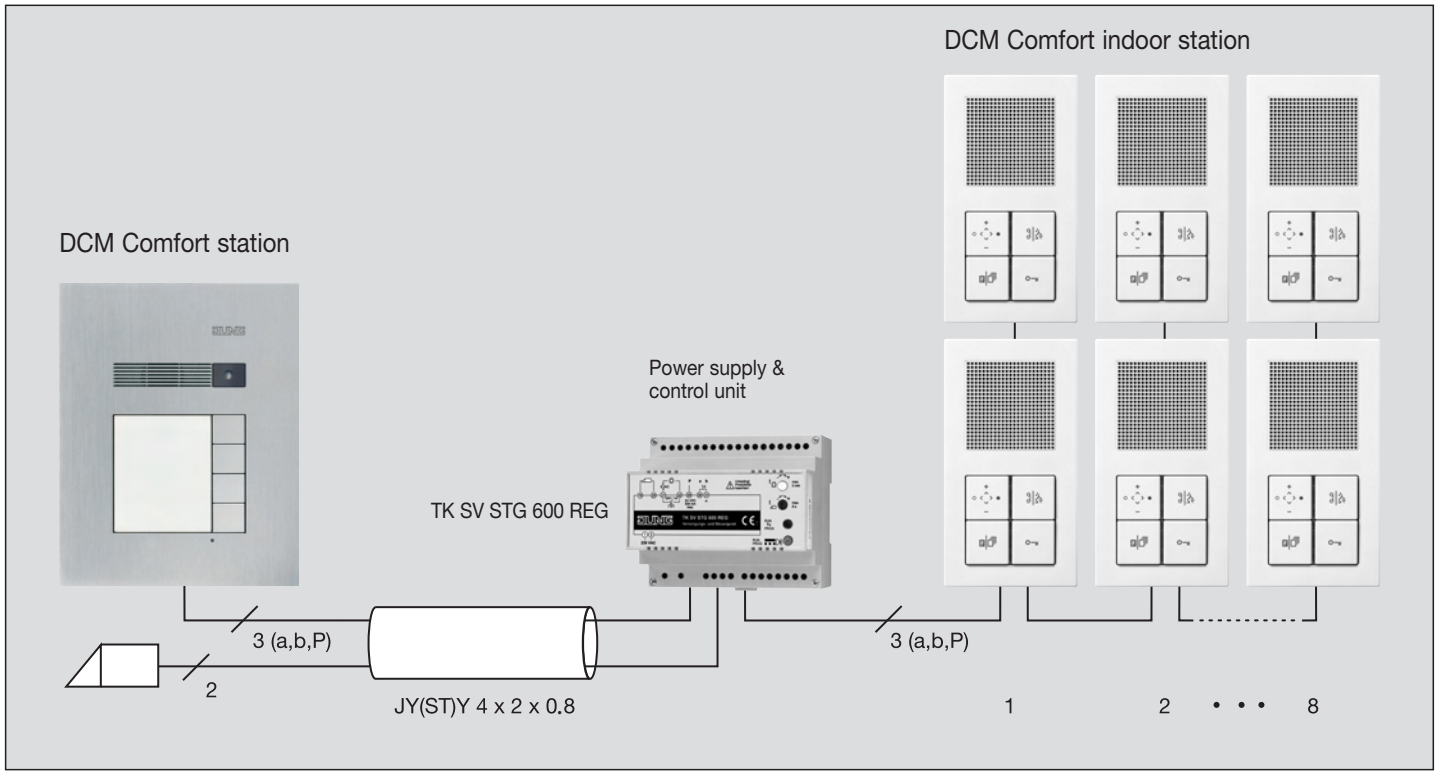


DCM video system with up to 2 x 8 indoor stations and 1 video outdoor stations in a 6-wire installation.
The 2 indoor stations lines are distributed with a video distributor.
This illustrated example witha video distributor is the only admissible installation.

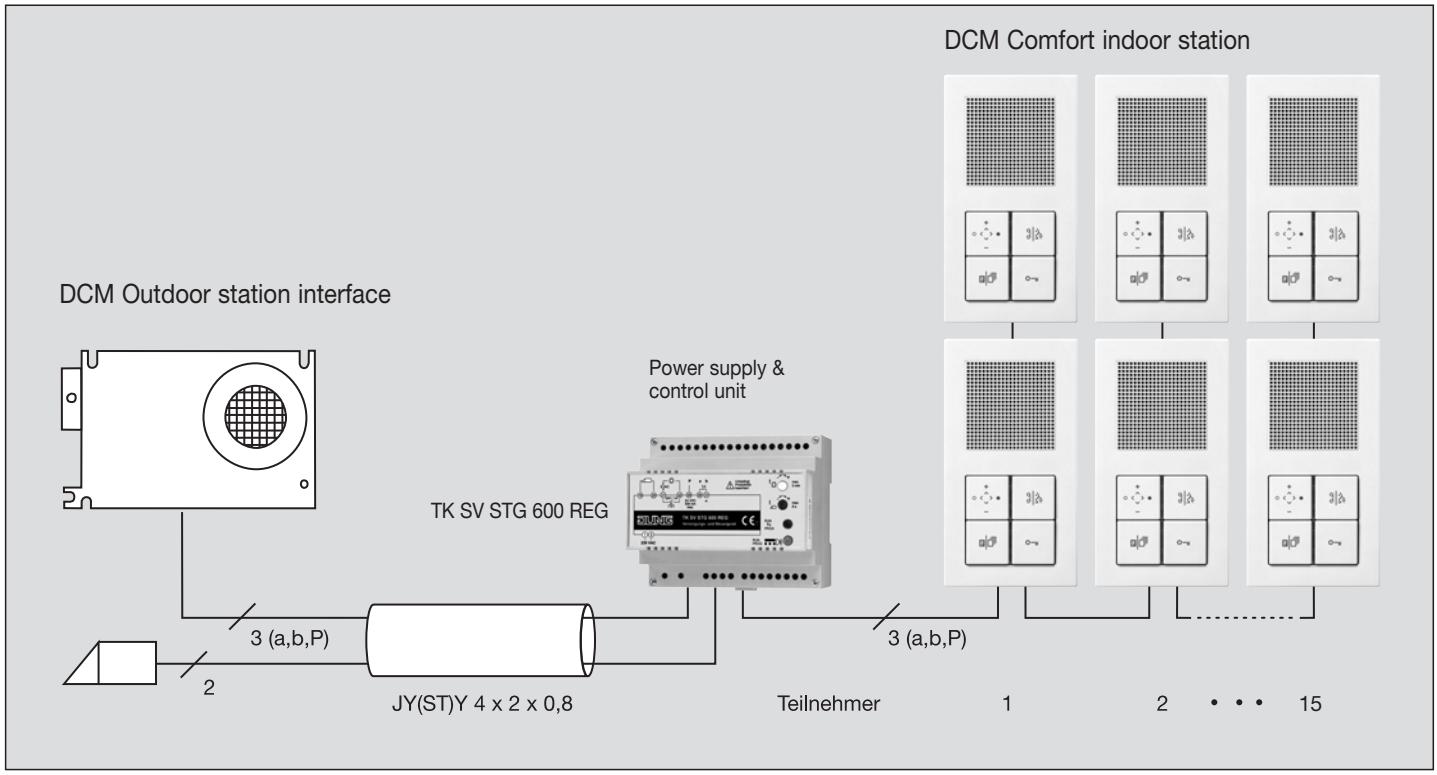
***** Endresistor
R = 120 Ω



DCM system with up to 2 x 8 indoor stations with active blue LEDs and a max. of 4 outdoor stations in a 3-wire installation

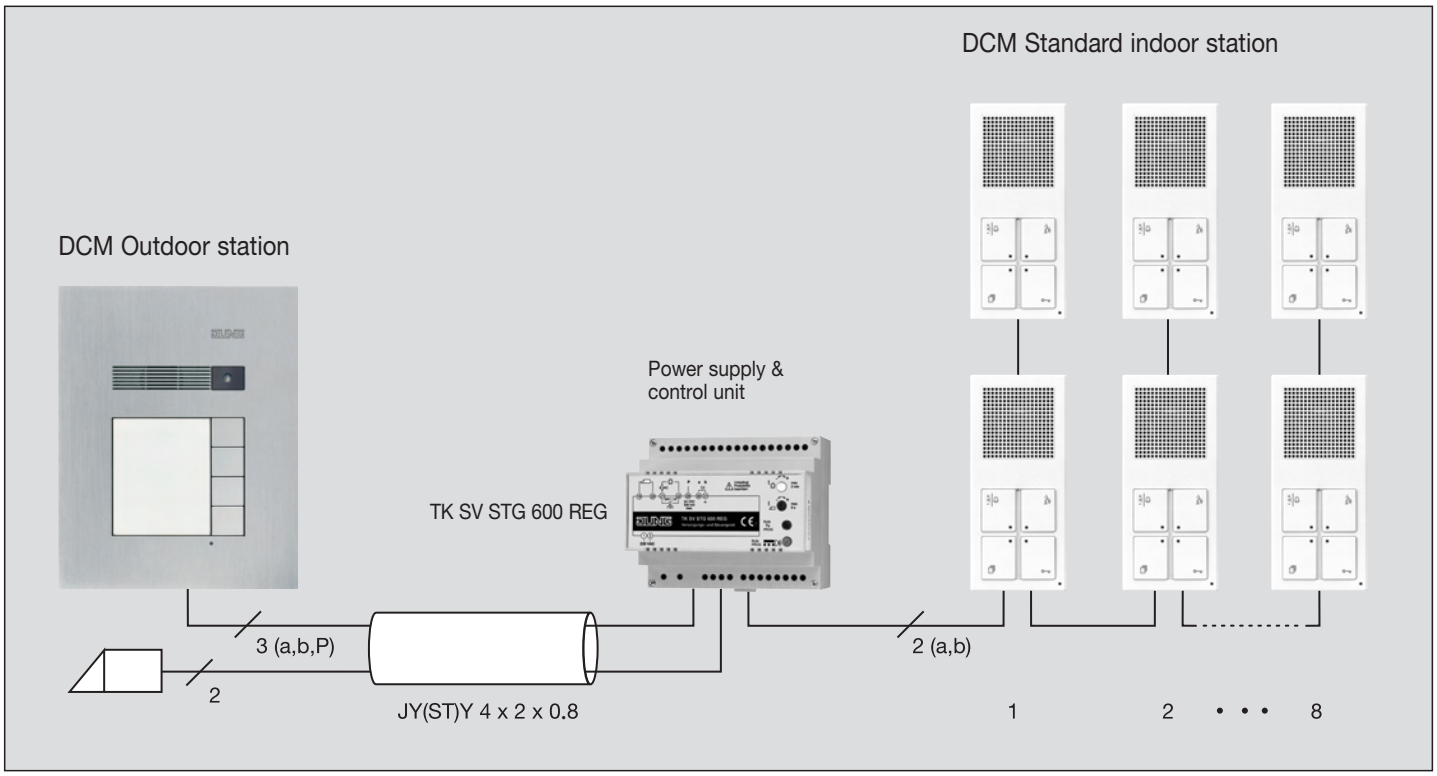


DCM system with up to 2 x 15 indoor stations with active blue LEDs and a max. of 4 outdoor stations in a 3-wire installation

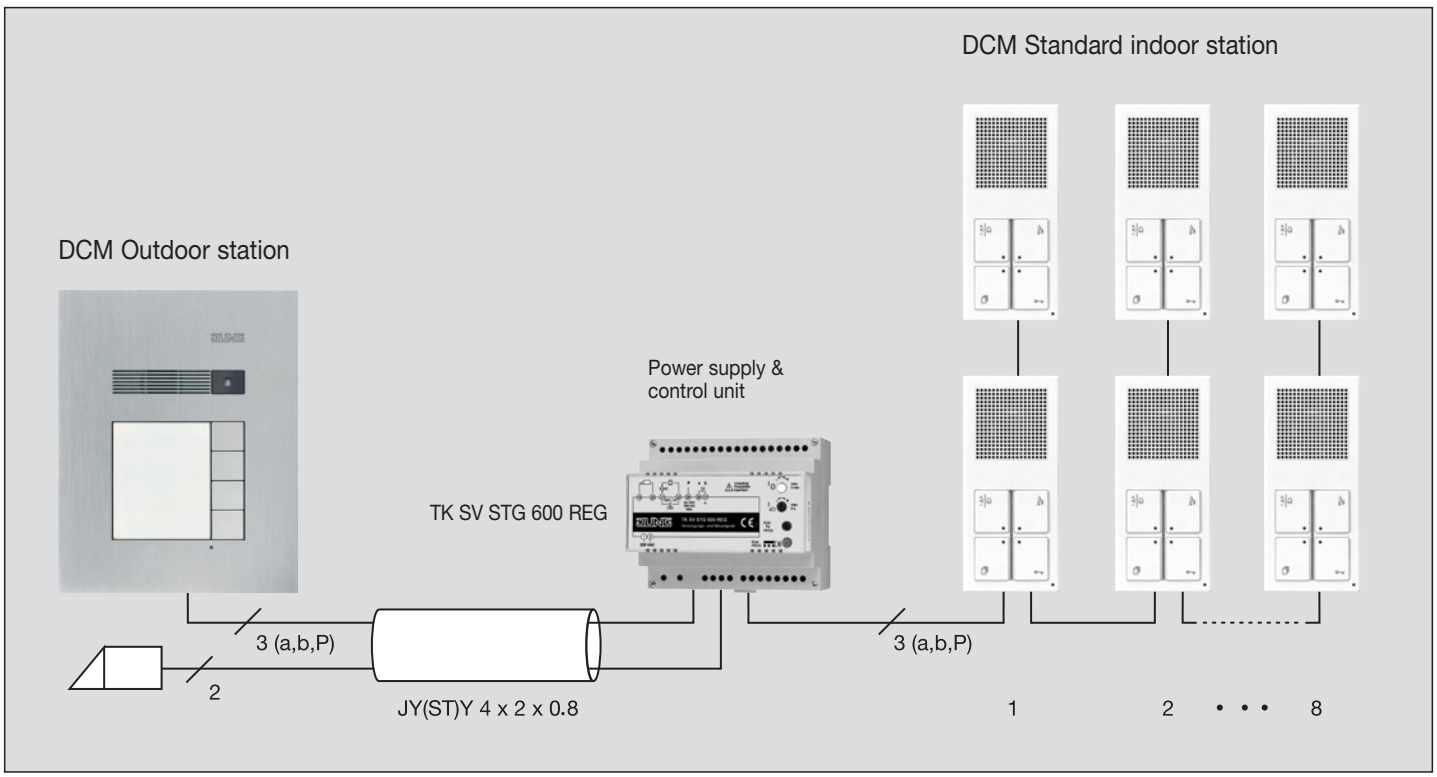


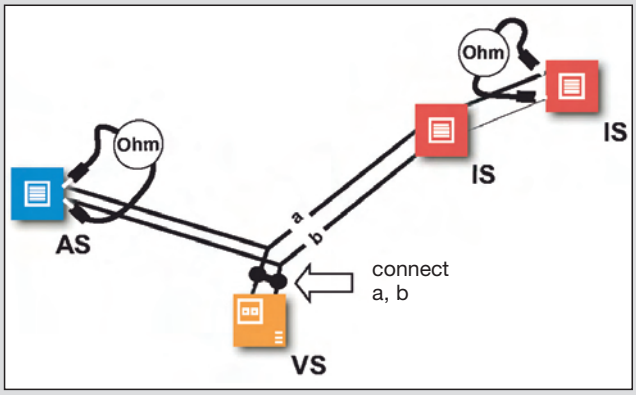
DCM examples for Standard indoor station

DCM system with up to 2 x 8 indoor stations and a max. of 4 outdoor stations
in a 2-wire installation



DCM system with up to 2 x 8 indoor stations with active blue LEDs and a max. of 4 outdoor stations
in a 3-wire installation





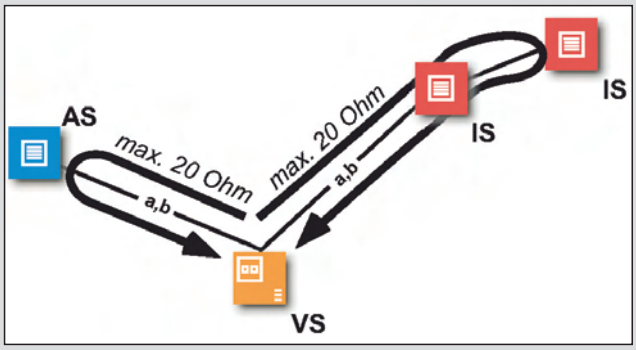
Measuring loop resistance
Rule:
Turn OFF 230 V Hz of the VS.
Connect a and b short circuit at the VS.
All other devices do not disturb the measuring process and remain connected.

AS: Outdoor station
IS: Indoor station
VS: Power supply and control unit

Table: Loop resistance

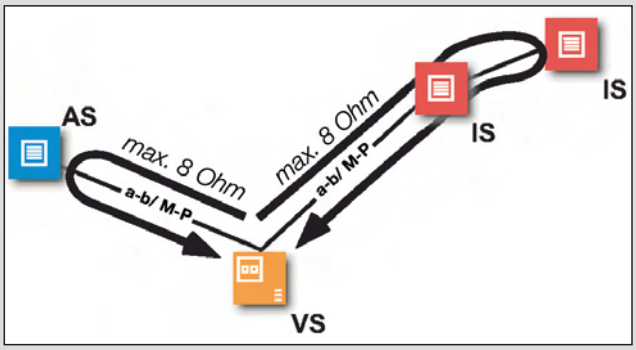
Wire length in m	Cross section 0.6 mm	0.8 mm
	Loop resistance in Ω	
10	1.22	0.69
20	2.45	1.38
30	3.67	2.07
40	4.90	2.76
50	6.12	3.44
60	7.35	4.13
70	8.57	4.82
80	9.80	5.51
90	11.02	6.20
100	12.24	6.89
150	18.37	10.33
200	24.49	13.78
250		17.22
300		20.66

Principle of loop resistance for audio systems
Rule:
No door communication device shall have a longer distance from the power supply & control unit than 20 Ohm !



20 Ohm:
160 m wire length AS-VS (IS-VS) at a diameter of 0.6 mm
300 m wire length AS-VS (IS-VS) at a diameter of 0.8 mm

Principle of loop resistance for video systems
Rule:
No door communication device shall have a longer distance from the power supply & control unit than 8 Ohm !



8 Ohm:
65 m wire length AS-VS (IS-VS) at a diameter of 0.6 mm
115 m wire length AS-VS (IS-VS) at a diameter of 0.8 mm