

### Analysis for common cable lengths ISO7638 in standard trucks and trailers

Maximal length acc. to ISO11992	Tractor	Helix cable			Trailer		Total tractor	Total trailer
Manual mode	15	7			18		22	18

### Additional installations for ACV

Standard semi-trailer combination	Tractor	Helix cable	ACV line tractor	ACV line semi	Semitrailer		Total Tractor	Total semi
ACV mode	7,5	6	6	6	13		19,5	19
Manual mode	7,5	6	0	0	13		13,5	13

<-- trailer cable length exceeds values for manual connection in ISO11992

Standard drawbar-trailer combination	Tractor	ACV line tractor	ACV line drawbar trailer	Helix cable	Drawbar trailer		Total Tractor	Total drawbar trailer
ACV mode	14	1	1	0	14		15	15
Manual mode	14	0	0	0	14		14	14

Proposal (in addition to R13, deviating from ISO11992)

Maximal length acc. to ECE R13							Total tractor	Total trailer
ACV mode							20	20

All lengths in meter