

Table 141–1 shows the primary attributes of all power budget types defined in Clause 141.

Table 141–1—Power budgets

| Description | Medium Power Budget | | High Power Budget | | Units |
|----------------------------------|---------------------|----------|--------------------|----------|-------|
| | PR-S20 | PR-A20 | PR-S30 | PR-A30 | |
| Number of fibers | 1 | | | | – |
| Number of downstream wavelengths | 1 or 2 | | | | – |
| Number of upstream wavelengths | 1 or 2 | 1 | 1 or 2 | 1 | – |
| Nominal downstream line rate | 25.78125 | 25.78125 | 25.78125 | 25.78125 | GBd |
| Nominal upstream line rate | 25.78125 | 10.3125 | 25.78125 | 10.3125 | GBd |
| Nominal downstream wavelength | 1358±2 or 1342±2 | | | | nm |
| Nominal upstream wavelength | 1270±10 or 1300±10 | <TBD> | 1270±10 or 1300±10 | <TBD> | nm |
| Maximum reach ^a | ≥20 | | | | km |
| Maximum channel insertion loss | 24 | | 29 | | dB |
| Minimum channel insertion loss | 10 | | 15 | | dB |

^aA compliant system may exceed the maximum reach designed for given power budget as long as optical power budget and other mandatory optical layer specifications are met.

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